

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060220\
 Data File : VW015523.D
 Acq On : 02 Jun 2020 12:36
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 6/2/2020 4:00:18 PM

Quant Time: Jun 02 13:29:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 02 12:43:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	229648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	366851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	337289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170625	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	124603	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
35) Dibromofluoromethane	7.88	113	108586	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	10.32	98	433110	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.62	95	161671	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	69130	51.937	ug/l	100
3) Chloromethane	2.21	50	75953	45.907	ug/l	100
4) Vinyl Chloride	2.37	62	126479	50.269	ug/l	100
5) Bromomethane	2.78	94	88052	44.780	ug/l	100
6) Chloroethane	2.93	64	82998	47.908	ug/l	100
7) Trichlorofluoromethane	3.26	101	97982	52.724	ug/l	100
8) Diethyl Ether	3.68	74	59939	51.191	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	113703	52.464	ug/l	100
10) Methyl Iodide	4.27	142	170906	52.156	ug/l	100
11) Tert butyl alcohol	5.17	59	46923	305.547	ug/l	100
12) 1,1-Dichloroethene	4.04	96	114406	51.172	ug/l	100
13) Acrolein	3.89	56	38282	212.383	ug/l	100
14) Allyl chloride	4.67	41	197752	50.534	ug/l	100
15) Acrylonitrile	5.37	53	134045	278.875	ug/l	100
16) Acetone	4.12	43	164365	375.038	ug/l	100
17) Carbon Disulfide	4.38	76	345384	50.615	ug/l	100
18) Methyl Acetate	4.67	43	58894	54.929	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	194162	53.532	ug/l	100
20) Methylene Chloride	4.92	84	126382	48.676	ug/l	100
21) trans-1,2-Dichloroethene	5.43	96	132439	52.048	ug/l	100
22) Diisopropyl ether	6.32	45	389730	50.990	ug/l	100
23) Vinyl Acetate	6.26	43	1221294	261.540	ug/l	100
24) 1,1-Dichloroethane	6.21	63	236922	51.607	ug/l	100
25) 2-Butanone	7.17	43	197538	307.246	ug/l	100
26) 2,2-Dichloropropane	7.17	77	157891	51.702	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	146482	52.859	ug/l	100
28) Bromochloromethane	7.51	49	87902	48.218	ug/l	100
29) Tetrahydrofuran	7.53	42	113253	275.637	ug/l	100
30) Chloroform	7.68	83	238321	52.128	ug/l	100
31) Cyclohexane	7.96	56	216565	46.989	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	203368	52.974	ug/l	100
36) 1,1-Dichloropropene	8.09	75	192372	52.838	ug/l	100
37) Ethyl Acetate	7.26	43	81699	56.984	ug/l	100
38) Carbon Tetrachloride	8.07	117	193439	56.162	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	241583	52.398	ug/l	100
40) Benzene	8.32	78	527398	52.894	ug/l	100
41) Methacrylonitrile	7.49	41	50193	54.892	ug/l	100
42) 1,2-Dichloroethane	8.40	62	166342	54.457	ug/l	100
43) Isopropyl Acetate	8.43	43	165987	55.007	ug/l	100
44) Trichloroethene	9.09	130	139619	53.946	ug/l	100
45) 1,2-Dichloropropane	9.37	63	130392	52.910	ug/l	100
46) Dibromomethane	9.46	93	69288	55.843	ug/l	100
47) Bromodichloromethane	9.65	83	182601	54.472	ug/l	100
48) Methyl methacrylate	9.44	41	77038	55.520	ug/l	100
49) 1,4-Dioxane	9.44	88	21176	1318.450	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	398660	281.531	ug/l	100
52) Toluene	10.39	92	342386	52.961	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	187806	54.849	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	214606	53.509	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	96581	55.168	ug/l	100
56) Ethyl methacrylate	10.65	69	130730	54.671	ug/l	100
57) 1,3-Dichloropropane	10.93	76	170253	54.323	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	284809	250.213	ug/l	100
59) 2-Hexanone	10.97	43	287879	297.138	ug/l	100
60) Dibromochloromethane	11.13	129	119222	56.509	ug/l	100
61) 1,2-Dibromoethane	11.24	107	93765	56.502	ug/l	100
64) Tetrachloroethene	10.87	164	113999	54.429	ug/l	100
65) Chlorobenzene	11.66	112	360560	53.469	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	129381	54.000	ug/l	100
67) Ethyl Benzene	11.73	91	680100	52.804	ug/l	100
68) m/p-Xylenes	11.84	106	513532	107.098	ug/l	100
69) o-Xylene	12.16	106	241869	53.761	ug/l	100
70) Styrene	12.18	104	416872	53.823	ug/l	100
71) Bromoform	12.35	173	67019	57.118	ug/l #	100
73) Isopropylbenzene	12.46	105	680132	52.681	ug/l	100
74) N-amyl acetate	12.27	43	159586	52.174	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	112174	54.995	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	80438m	57.257	ug/l	
77) Bromobenzene	12.75	156	149445	54.240	ug/l	100
78) n-propylbenzene	12.80	91	813839	52.614	ug/l	100
79) 2-Chlorotoluene	12.89	91	463279	53.074	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	572151	52.751	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	38995	53.964	ug/l	100
82) 4-Chlorotoluene	12.99	91	480640	52.137	ug/l	100
83) tert-Butylbenzene	13.21	119	487410	52.668	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	577952	53.230	ug/l	100
85) sec-Butylbenzene	13.38	105	693774	53.208	ug/l	100
86) p-Isopropyltoluene	13.50	119	635093	53.409	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	293413	53.860	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	295141	54.482	ug/l	100
89) n-Butylbenzene	13.82	91	608911	52.582	ug/l	100
90) Hexachloroethane	14.09	117	116067	52.864	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	260052	54.612	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19578	54.936	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	175922	55.015	ug/l	100
94) Hexachlorobutadiene	15.24	225	104611	55.243	ug/l	100
95) Naphthalene	15.37	128	322981	56.285	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	151769	55.116	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

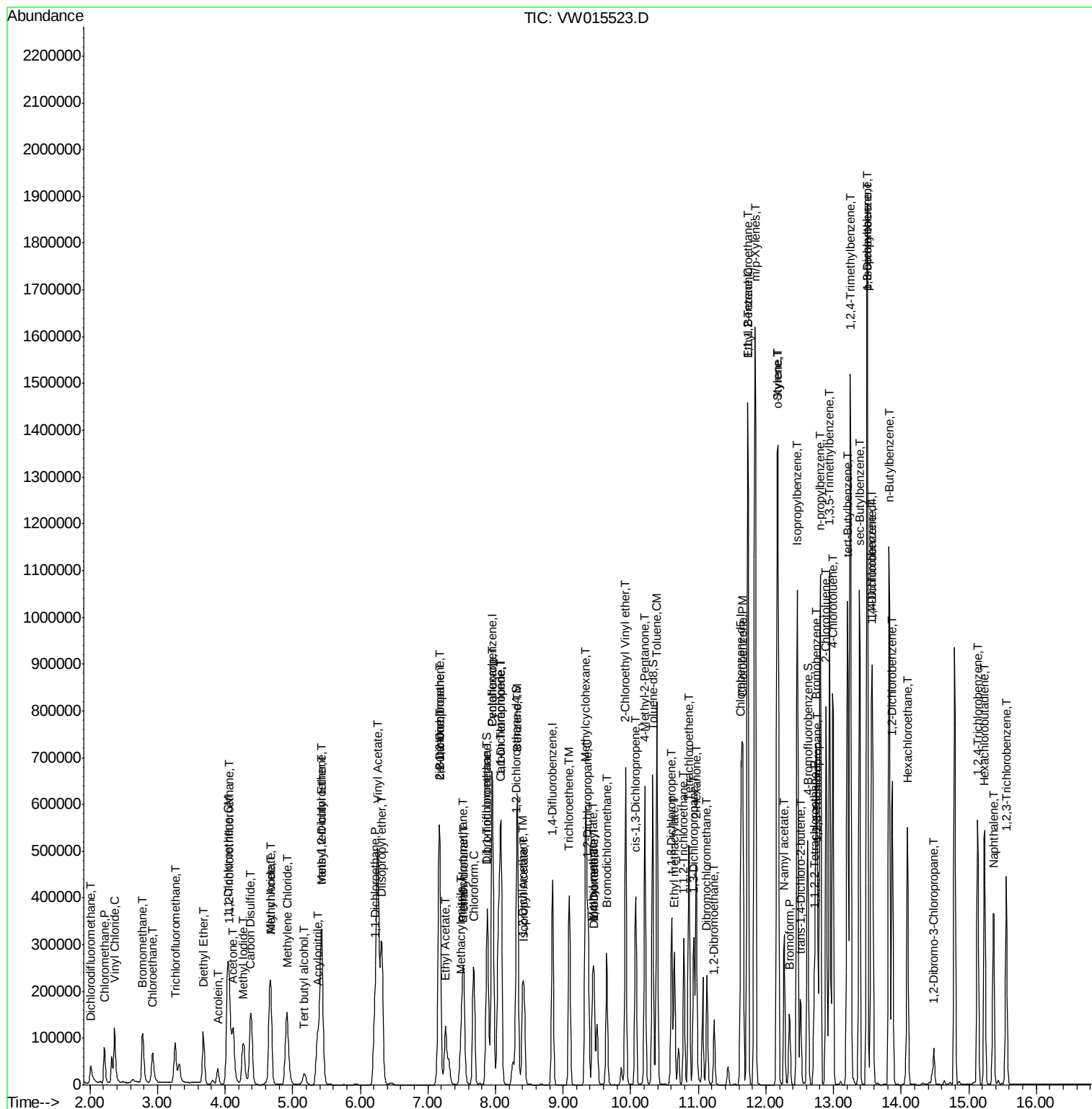
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060220\
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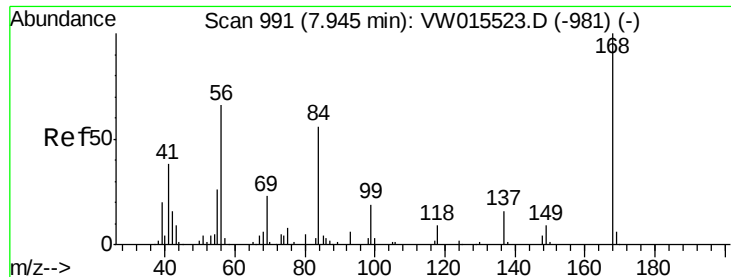
Instrument :
 MSVOA_W
 Client Sampled :
 VSTDICCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 229648

Ion Ratio Lower Upper

168 100

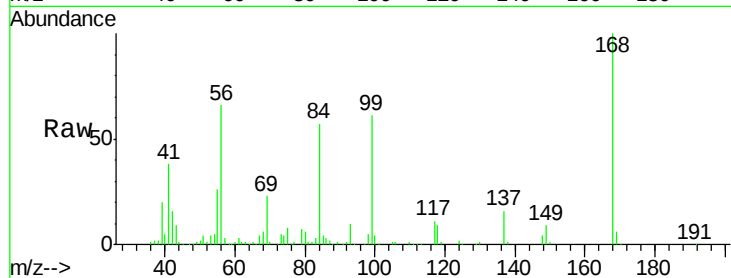
99 60.8 48.6 73.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

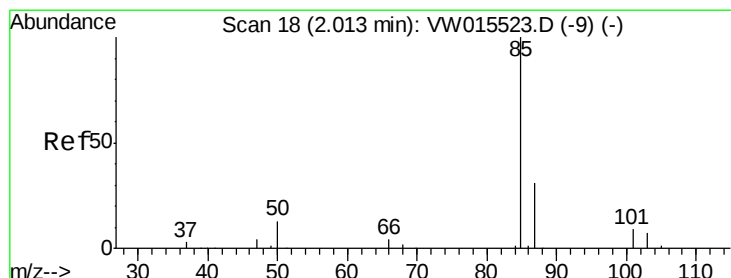
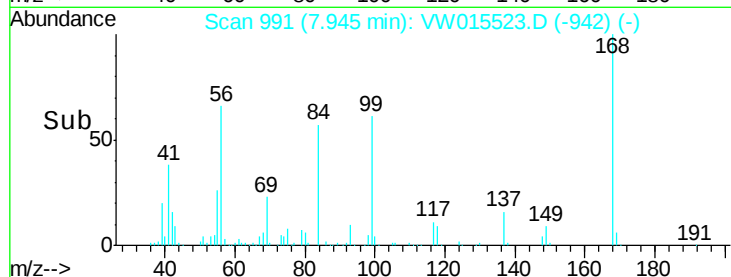
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.937 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015523.D

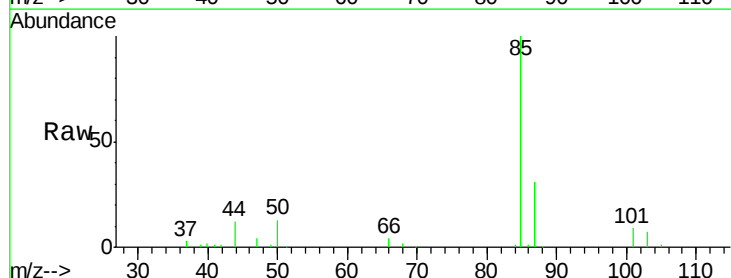
Acq: 02 Jun 2020 12:36

Tgt Ion: 85 Resp: 69130

Ion Ratio Lower Upper

85 100

87 31.0 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

15000

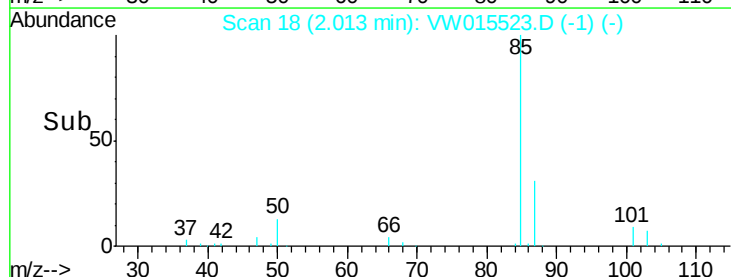
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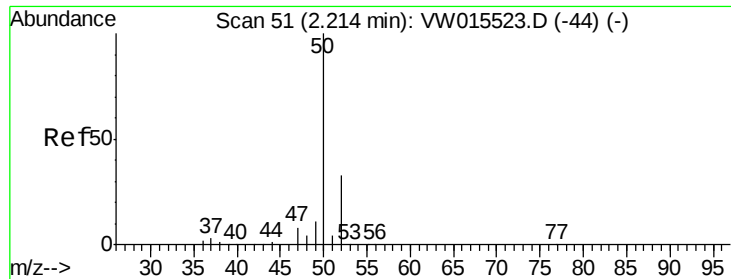
5000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 45.907 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 75953

Ion Ratio Lower Upper

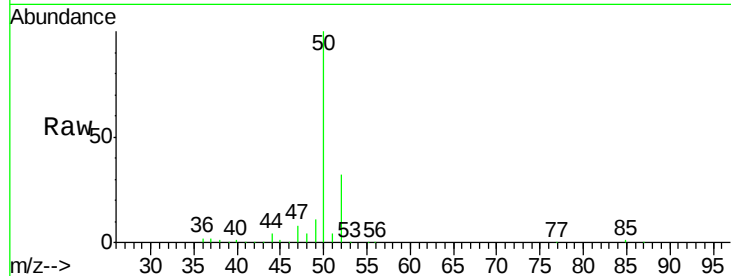
50 100

52 32.5 26.0 39.0

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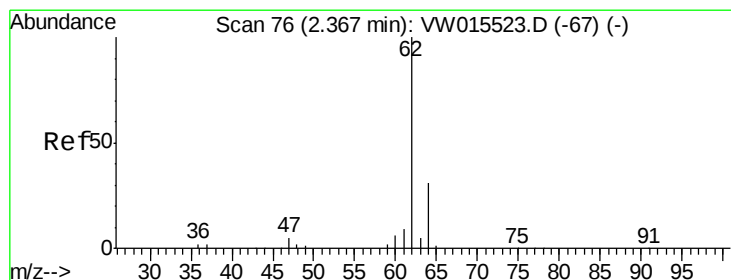
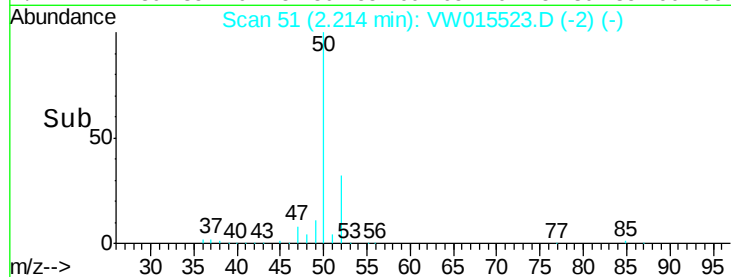
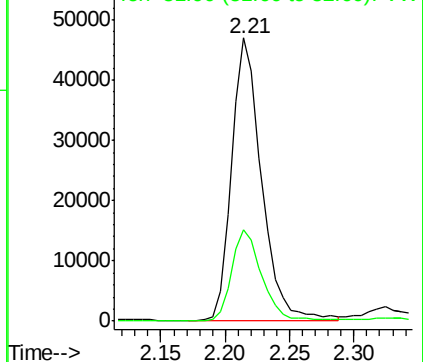
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 50.269 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015523.D

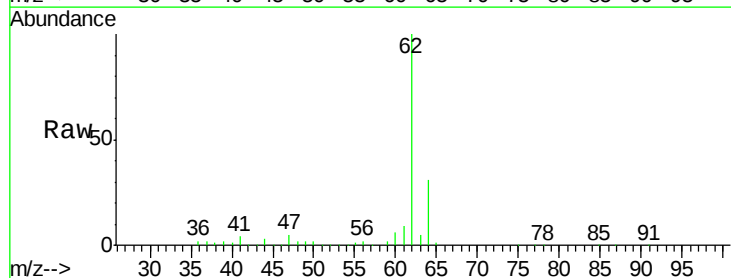
Acq: 02 Jun 2020 12:36

Tgt Ion: 62 Resp: 126479

Ion Ratio Lower Upper

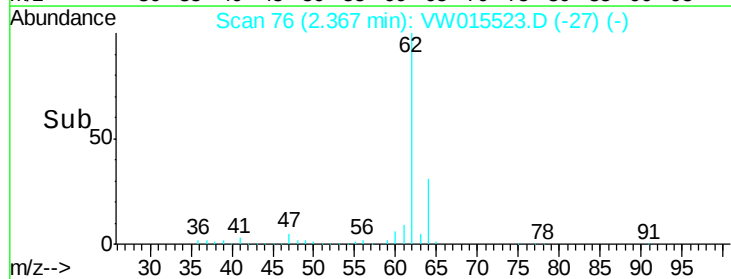
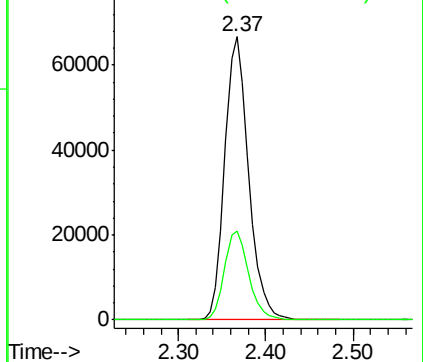
62 100

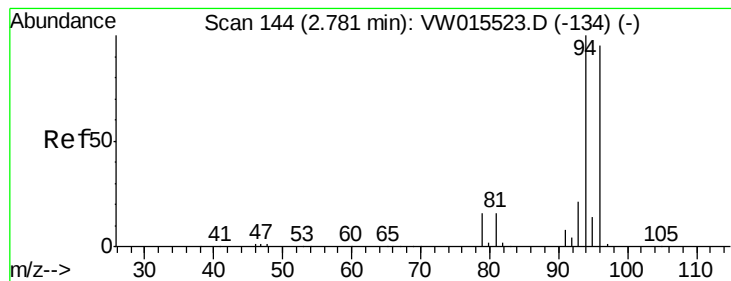
64 31.2 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 44.780 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 88052

Ion Ratio Lower Upper

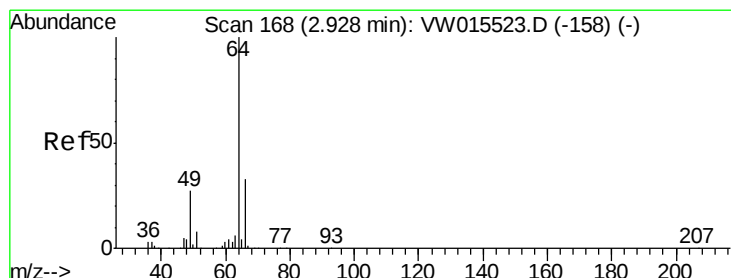
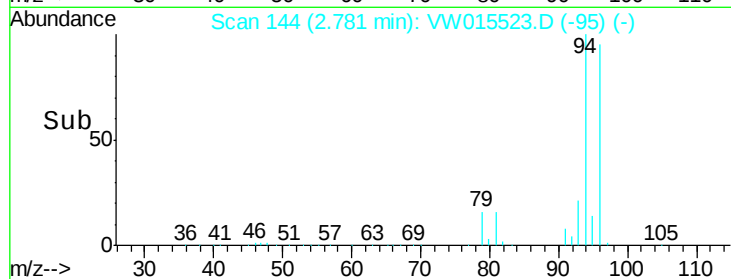
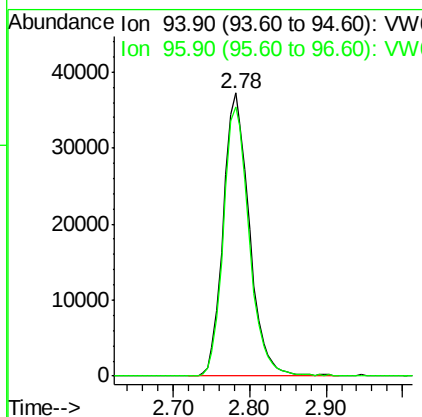
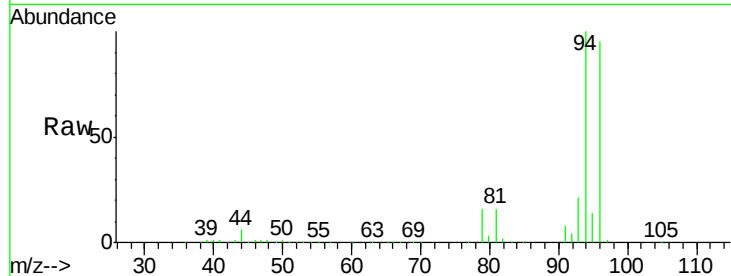
94 100

96 95.0 76.0 114.0

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#6

Chloroethane

Concen: 47.908 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015523.D

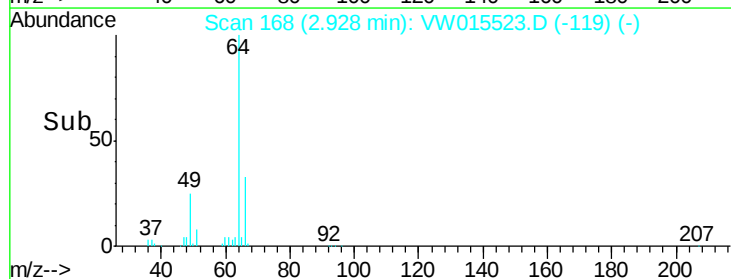
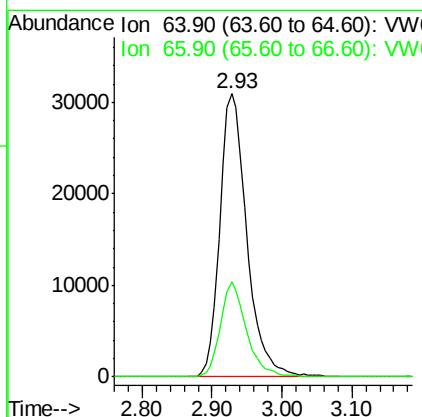
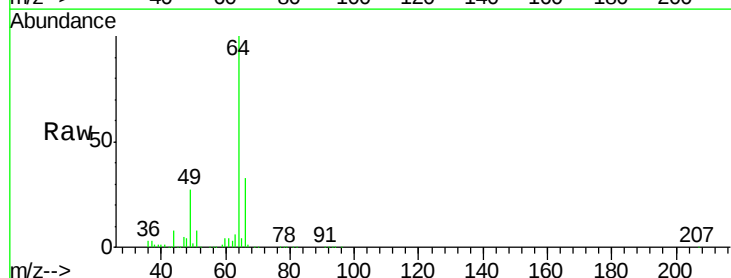
Acq: 02 Jun 2020 12:36

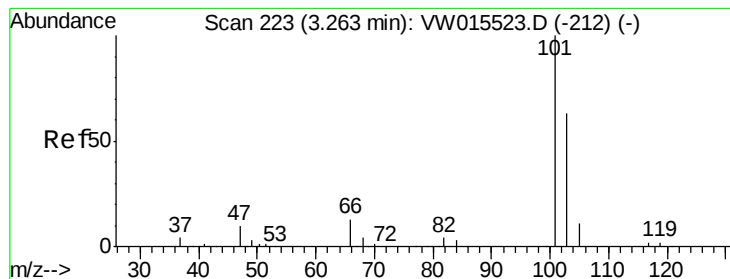
Tgt Ion: 64 Resp: 82998

Ion Ratio Lower Upper

64 100

66 33.5 26.8 40.2





#7

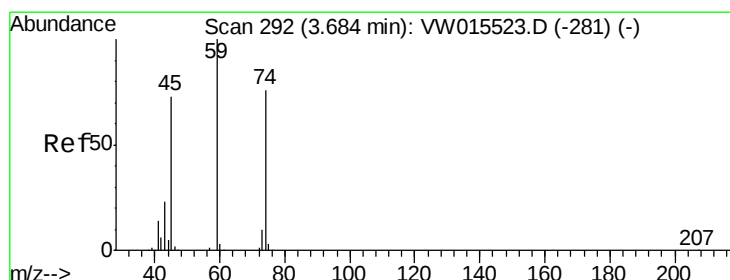
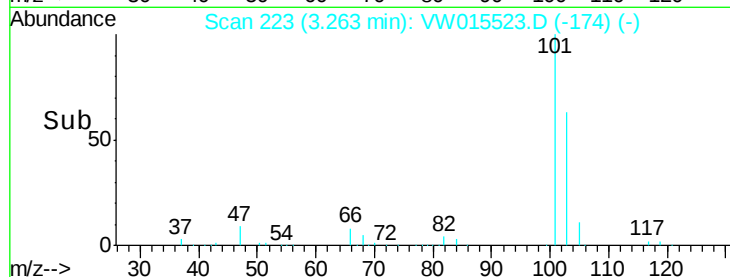
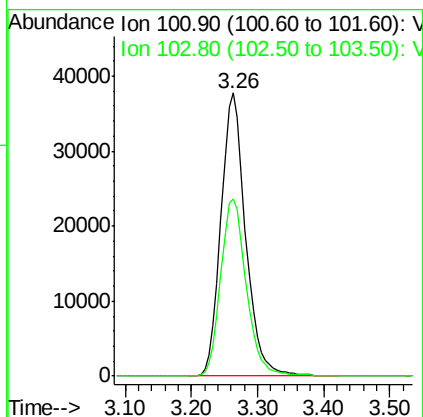
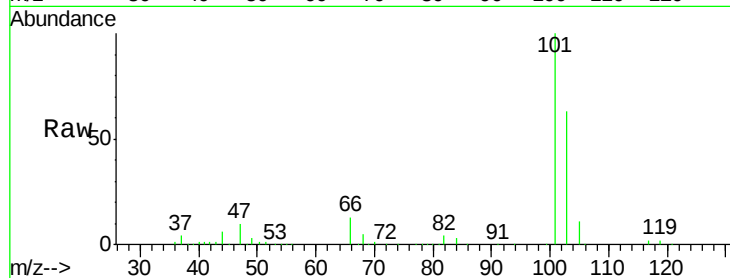
Trichlorofluoromethane
Concen: 52.724 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015523.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	50.2	75.2

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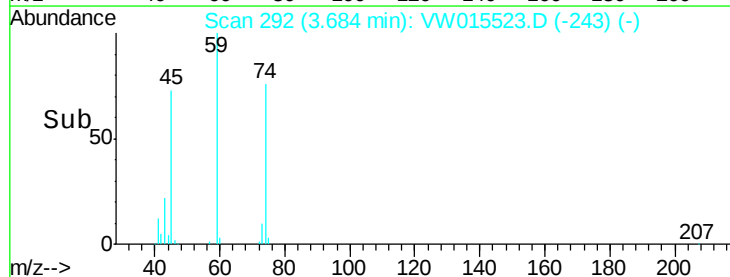
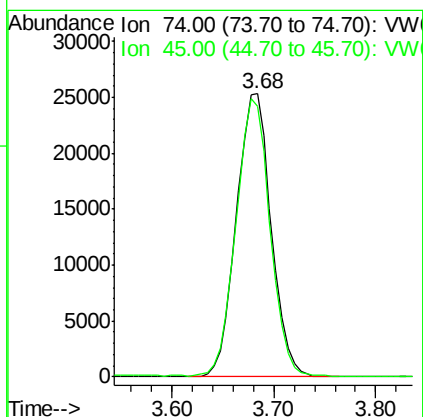
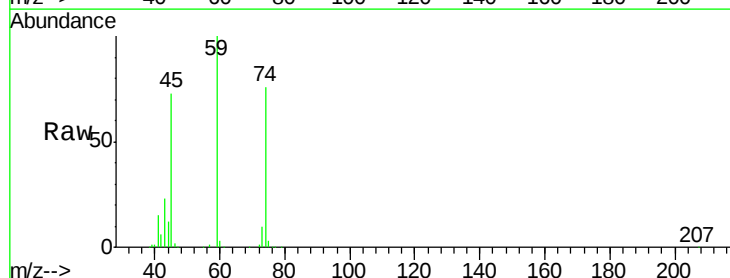
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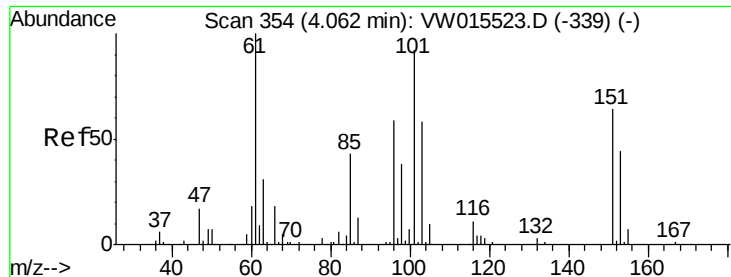


#8

Diethyl Ether
Concen: 51.191 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.464 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Instrument :

MSVOA_W

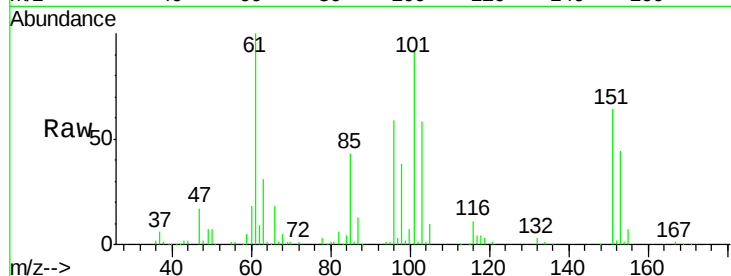
ClientSampleId :

VSTDICCC050

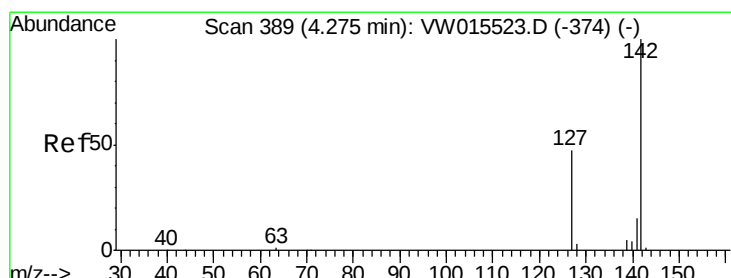
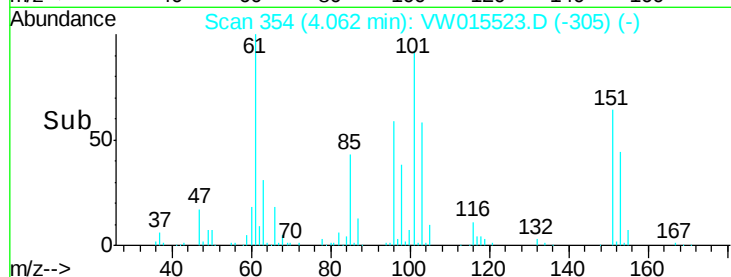
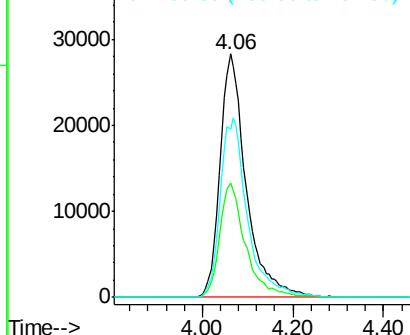
Tot Ion:	101	Resp:	113703
Ion Ratio	Lower	Upper	
101	100		
85	46.3	37.0	55.6
151	76.4	61.1	91.7

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.156 ug/l

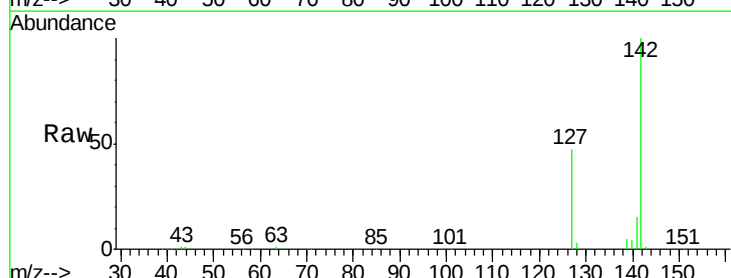
RT: 4.27 min Scan# 389

Delta R.T. 0.00 min

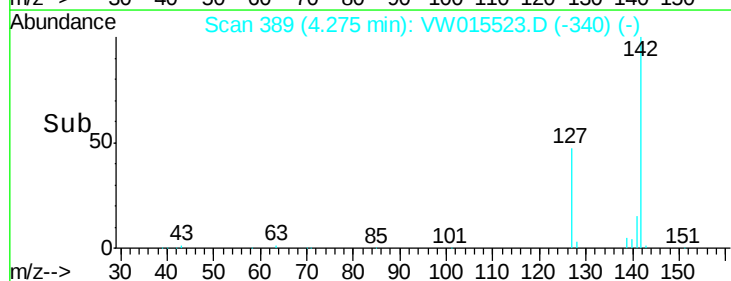
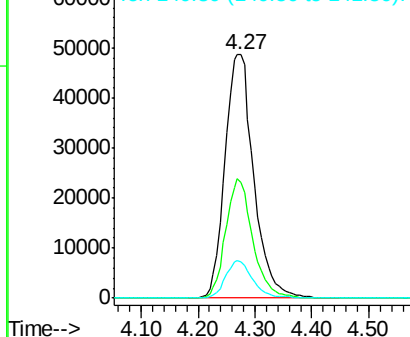
Lab File: VW015523.D

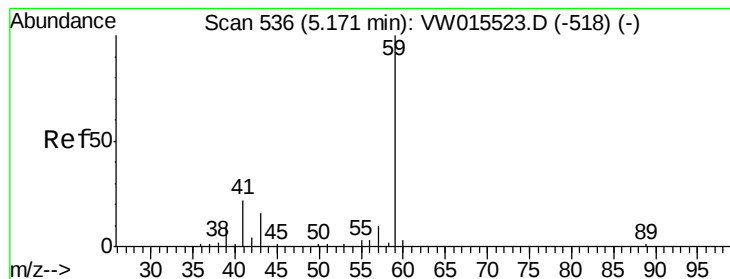
Acq: 02 Jun 2020 12:36

Tgt Ion:	142	Resp:	170906
Ion Ratio	Lower	Upper	
142	100		
127	46.1	36.9	55.3
141	14.6	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

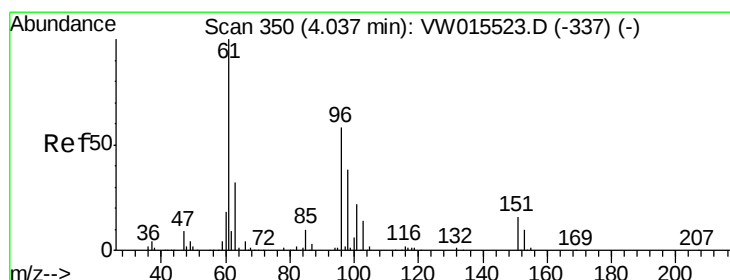
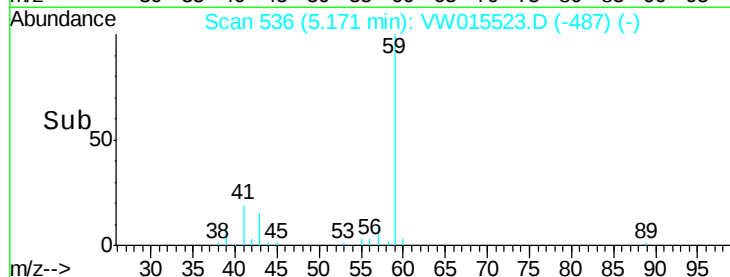
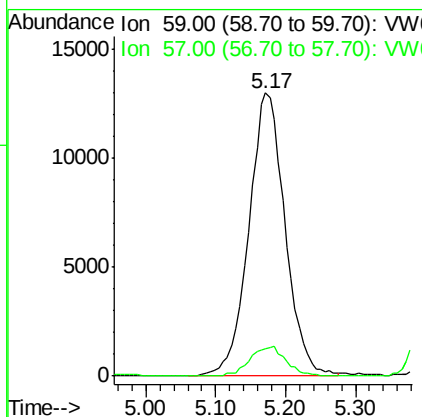
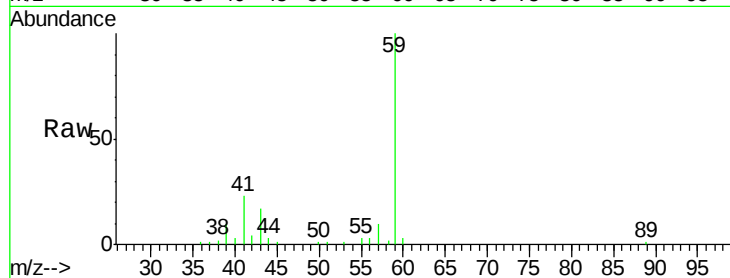
Tert butyl alcohol
 Concen: 305.547 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

Manual Integrations
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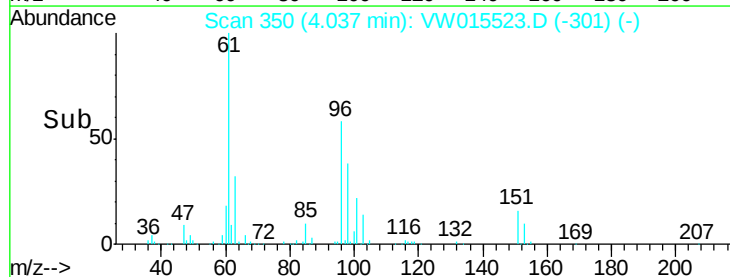
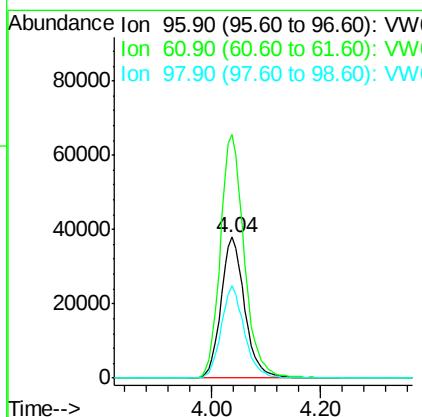
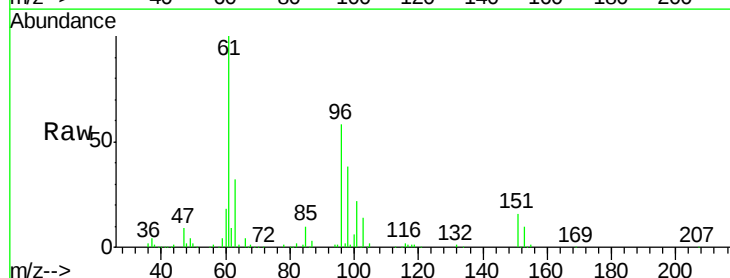
MMDadoda
 6/2/2020 4:00:18 PM

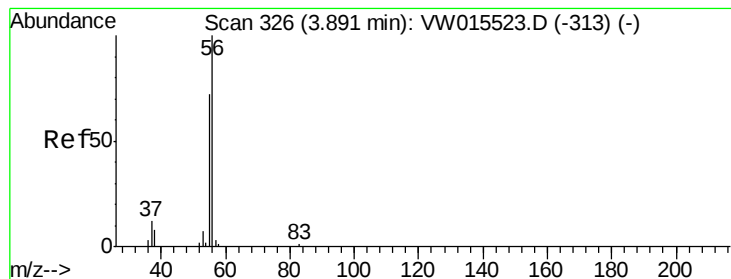


#12

1,1-Dichloroethene
 Concen: 51.172 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.9	138.3	207.5
98	65.3	52.2	78.4





#13

Acrolein

Concen: 212.383 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 38282

Ion Ratio Lower Upper

56 100

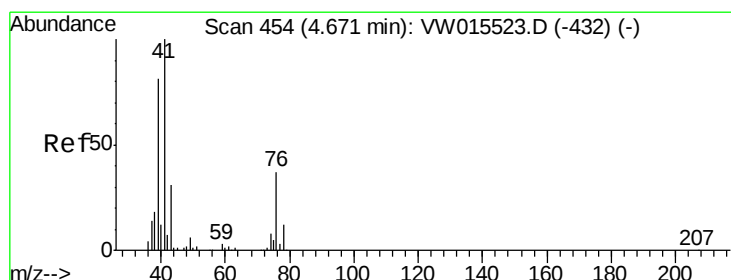
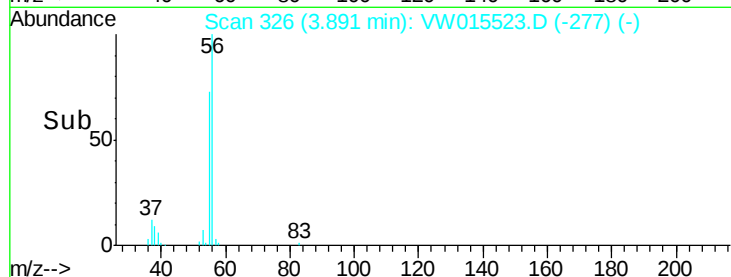
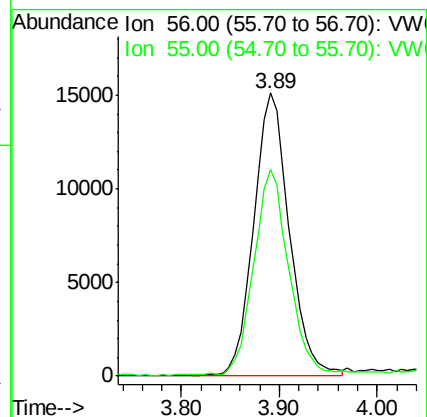
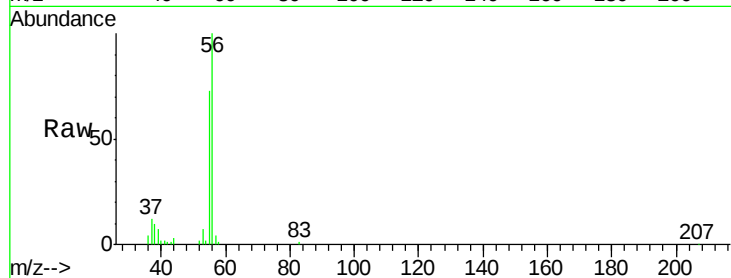
55 70.6 56.5 84.7

Manual Integrations

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6/2/2020 4:00:18 PM



#14

Allyl chloride

Concen: 50.534 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

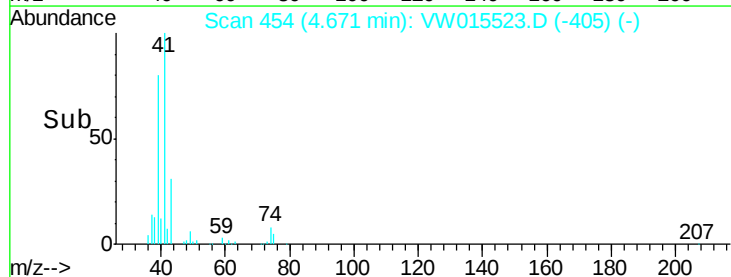
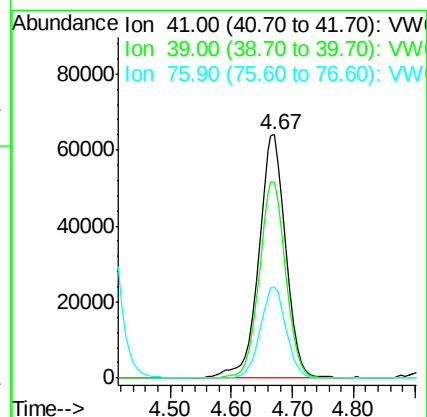
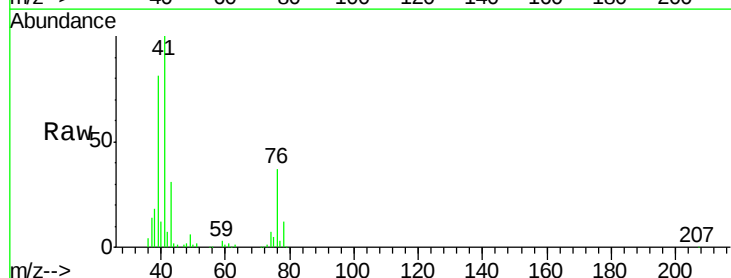
Tgt Ion: 41 Resp: 197752

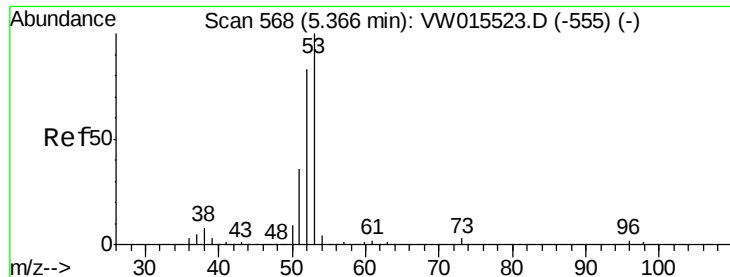
Ion Ratio Lower Upper

41 100

39 78.9 63.1 94.7

76 35.8 28.6 43.0





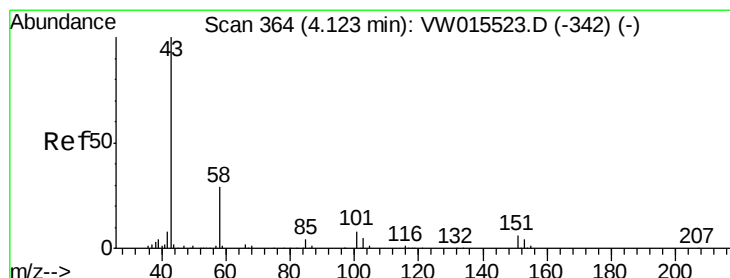
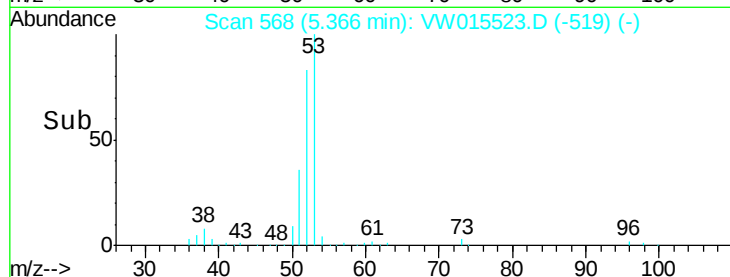
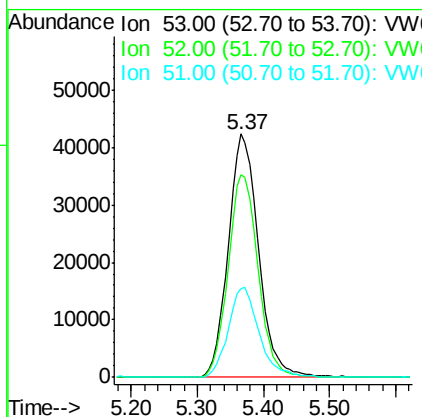
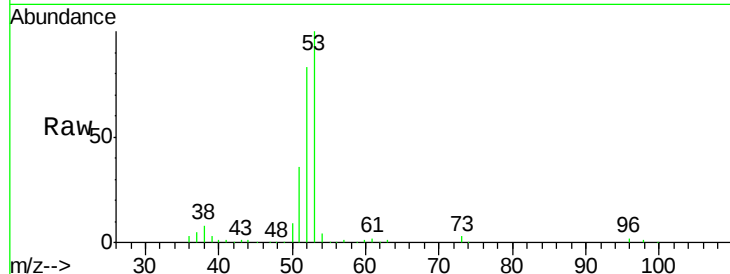
#15
 Acrylonitrile
 Concen: 278.875 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:	53	Resp:	134045
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.1	99.1
51	37.8	30.2	45.4

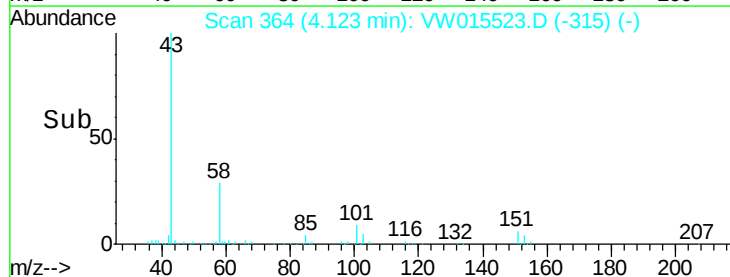
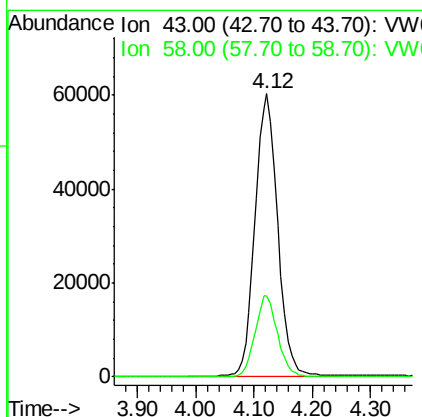
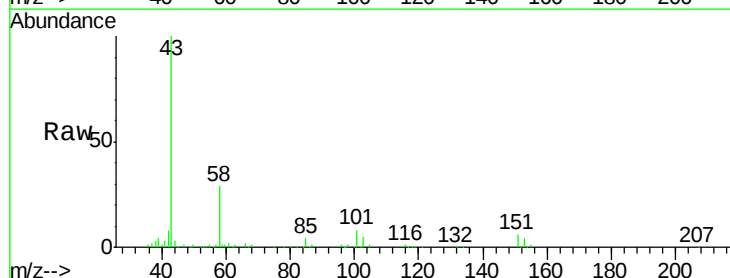
Manual Integrations
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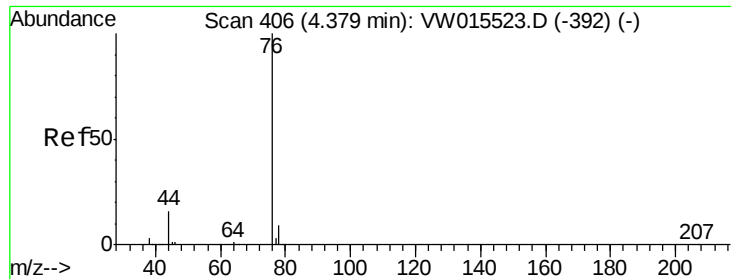
MMDadoda
 6/2/2020 4:00:18 PM



#16
 Acetone
 Concen: 375.038 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Tgt Ion:	43	Resp:	164365
Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.1	34.7





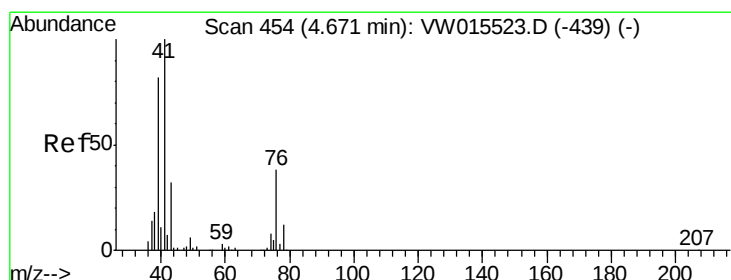
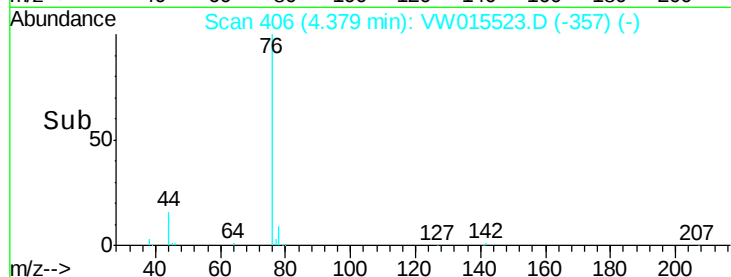
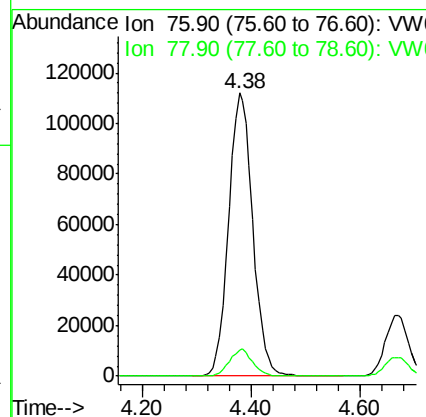
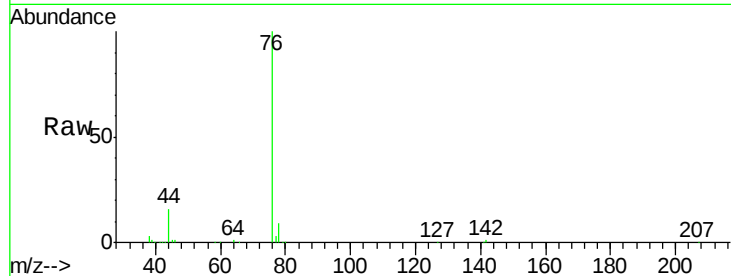
#17
Carbon Disulfide
Concen: 50.615 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

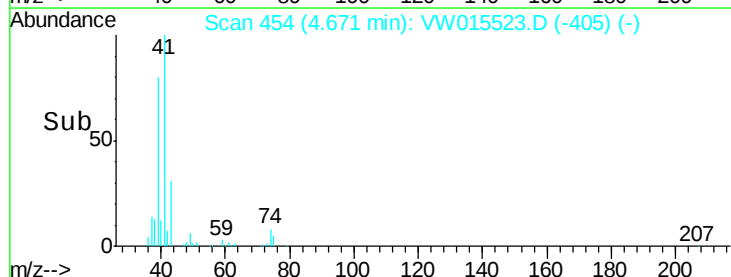
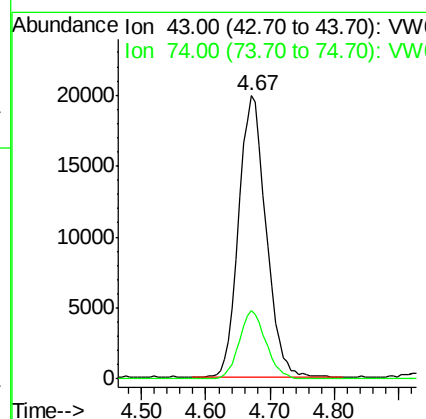
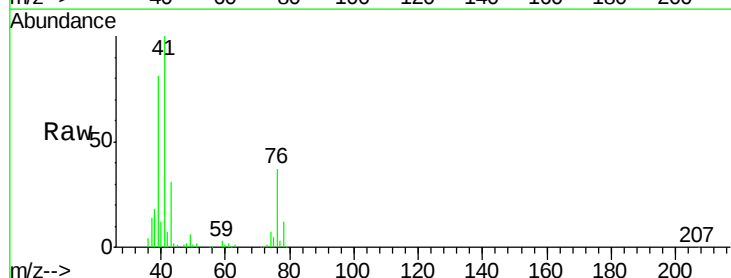
Manual Integrations
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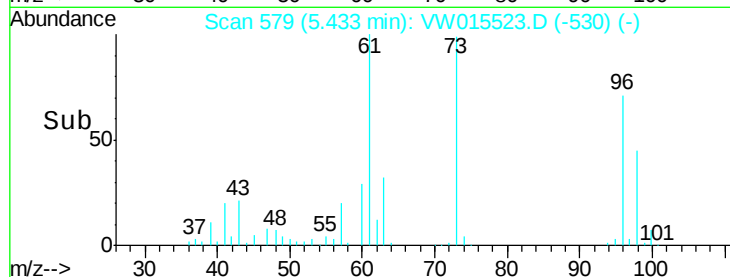
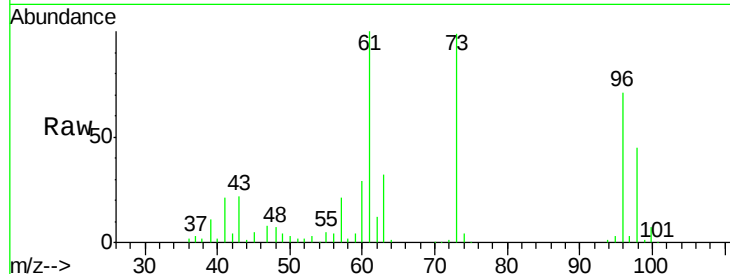
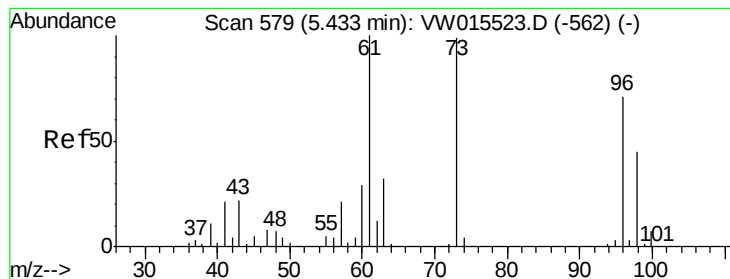
MMDadoda
6/2/2020 4:00:18 PM



#18
Methyl Acetate
Concen: 54.929 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.8	28.2





#19

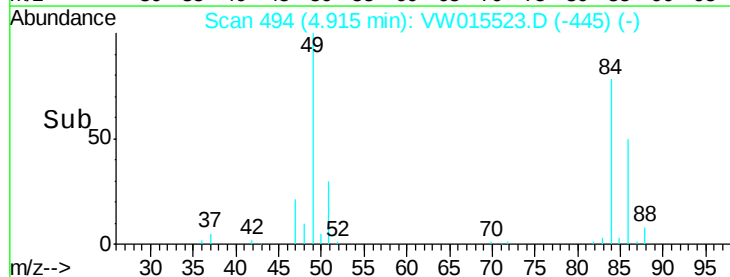
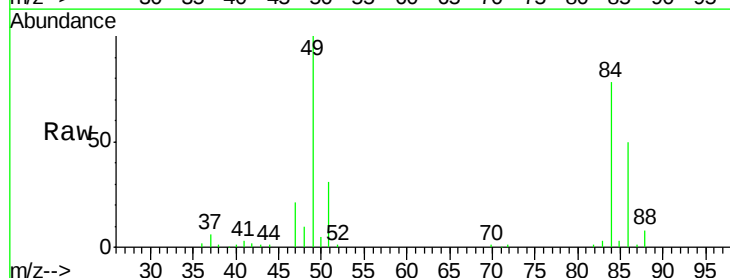
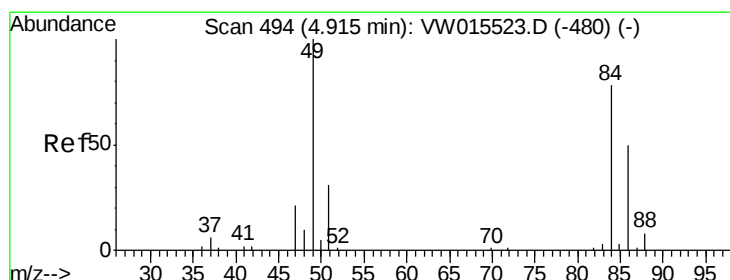
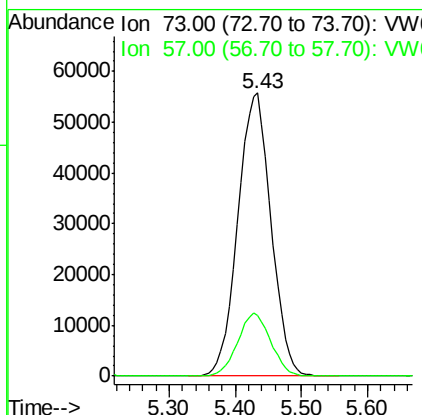
Methyl tert-butyl Ether
Concen: 53.532 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tot Ion	73	Resp	194162
Ion Ratio	100	Lower	Upper
57	21.4	17.1	25.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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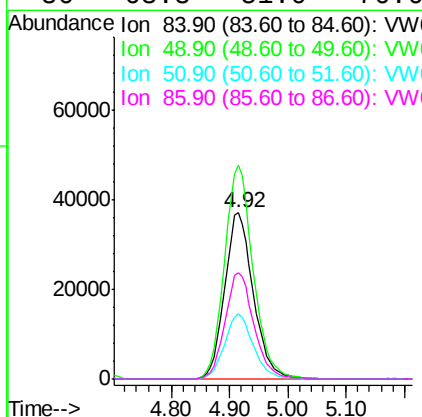
MMDadoda
6/2/2020 4:00:18 PM

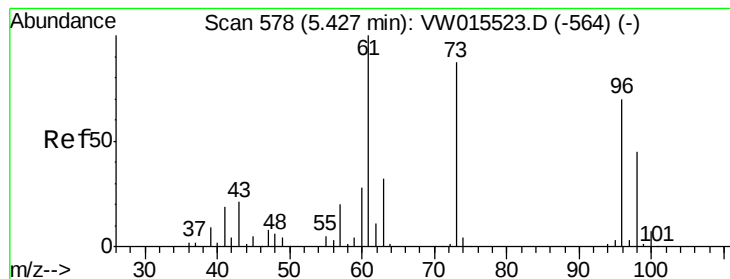


#20

Methylene Chloride
Concen: 48.676 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tgt Ion	84	Resp	126382
Ion Ratio	100	Lower	Upper
49	128.5	102.8	154.2
51	39.3	31.4	47.2
86	63.8	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 52.048 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 132439

Ion Ratio Lower Upper

96 100

61 142.9 114.3 171.5

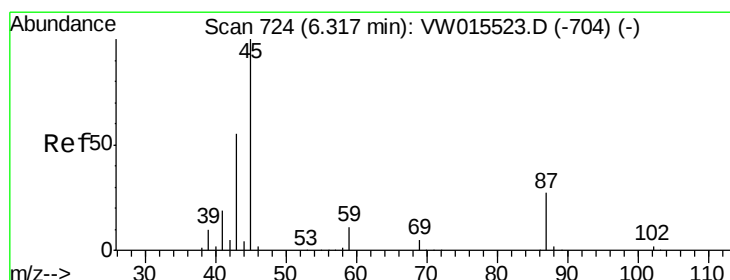
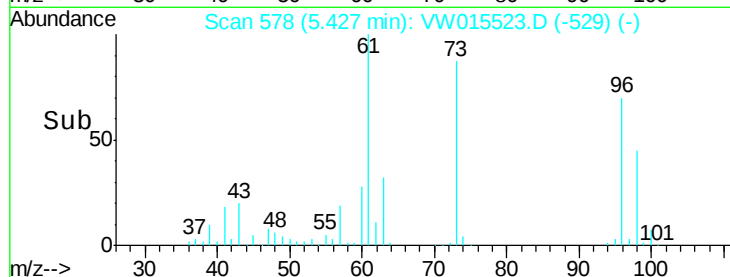
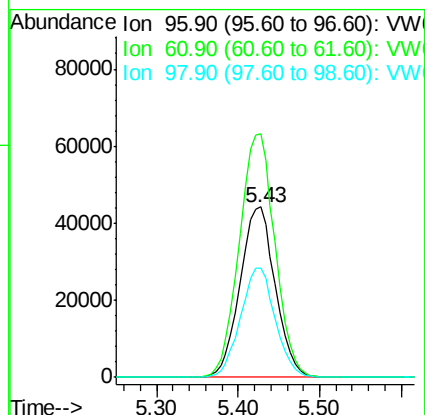
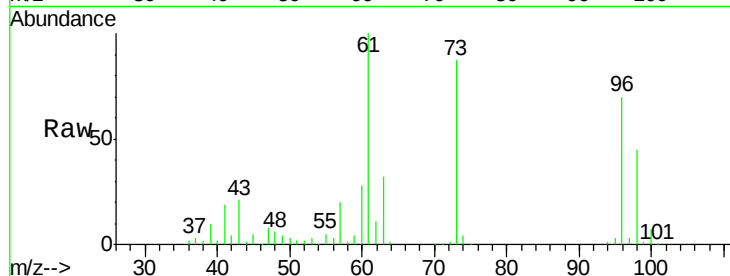
98 63.7 51.0 76.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 50.990 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Tgt Ion: 45 Resp: 389730

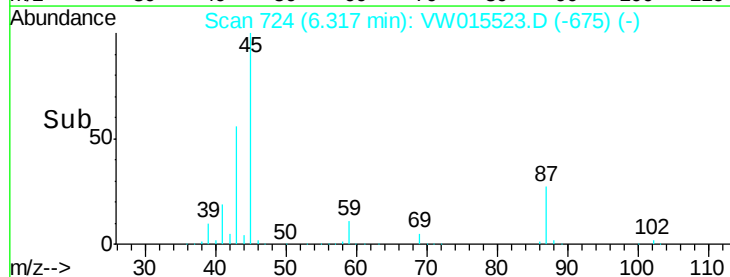
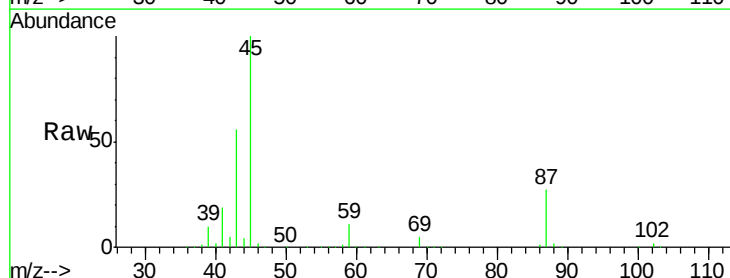
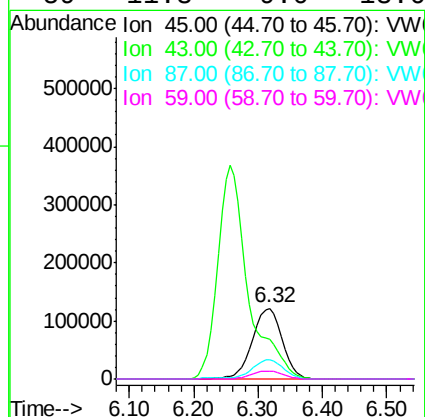
Ion Ratio Lower Upper

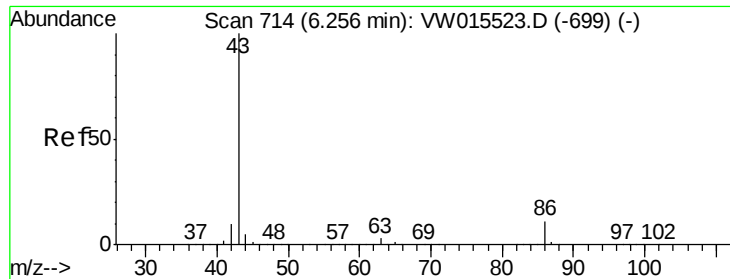
45 100

43 55.1 44.1 66.1

87 27.3 21.8 32.8

59 11.3 9.0 13.6





#23

Vinyl Acetate

Concen: 261.540 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1221294

Ion Ratio Lower Upper

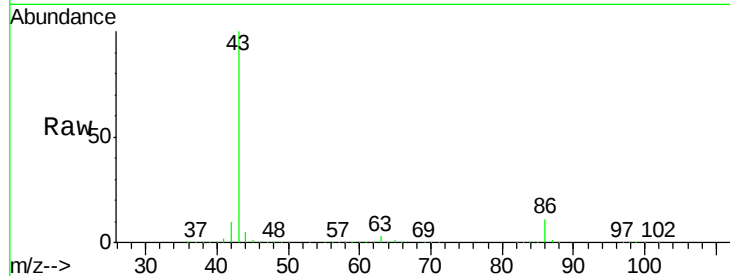
43 100

86 10.7 8.6 12.8

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

400000

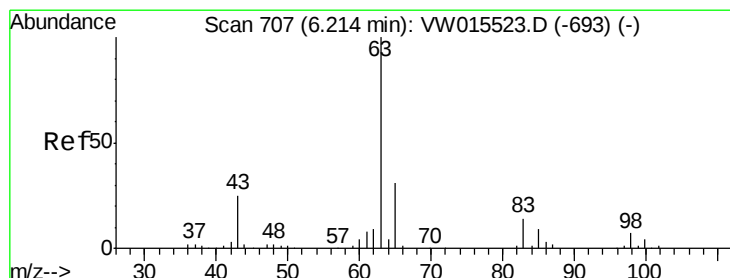
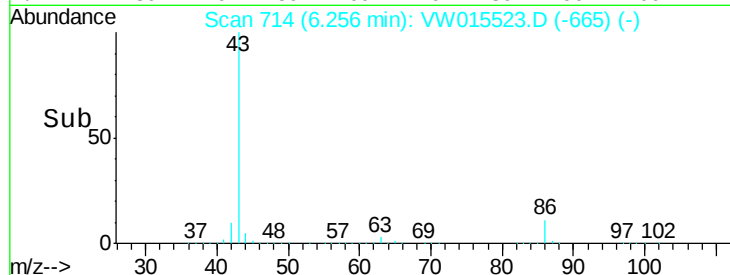
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.607 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

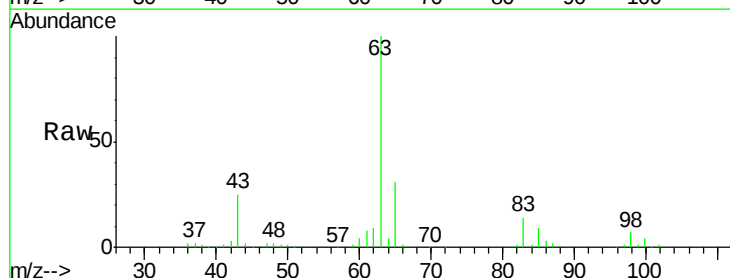
Tgt Ion: 63 Resp: 236922

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

100000

80000

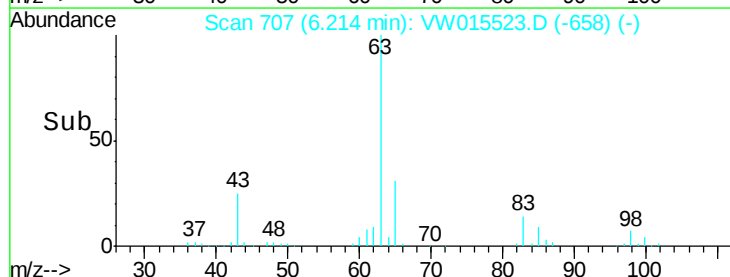
60000

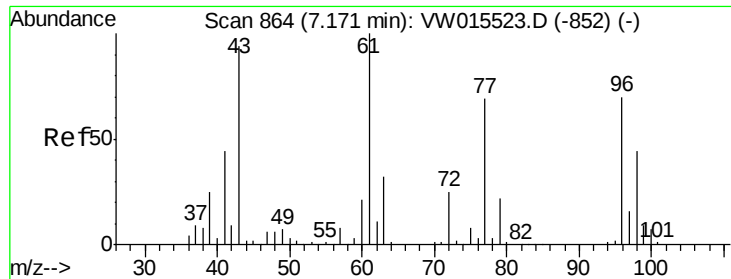
40000

20000

0

Time-->





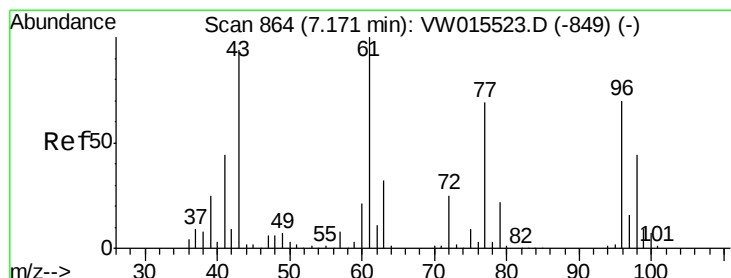
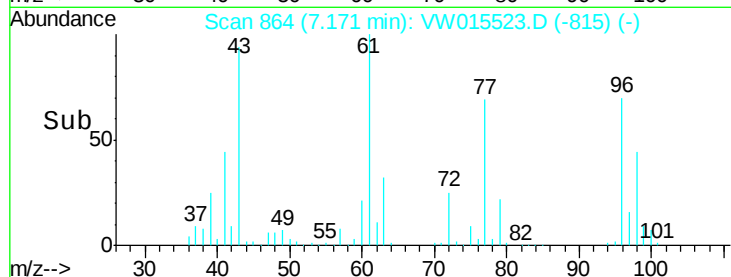
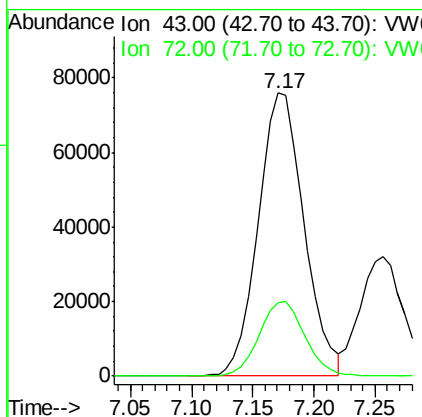
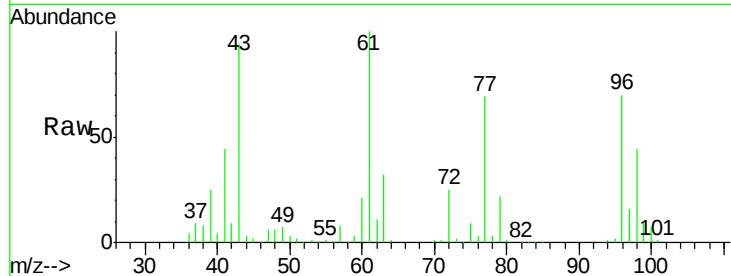
#25
2-Butanone
Concen: 307.246 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 197538
Ion Ratio Lower Upper
43 100
72 26.2 21.0 31.4

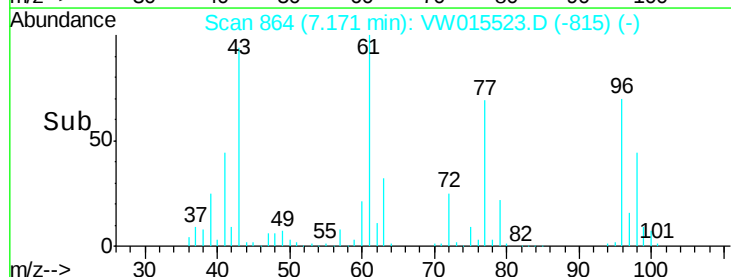
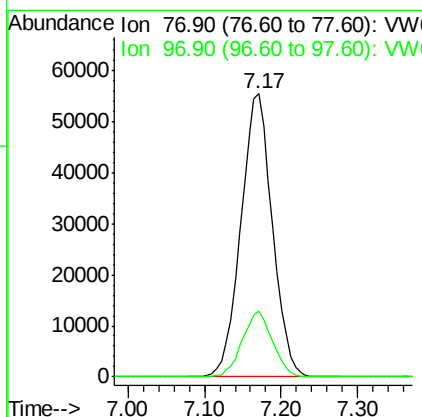
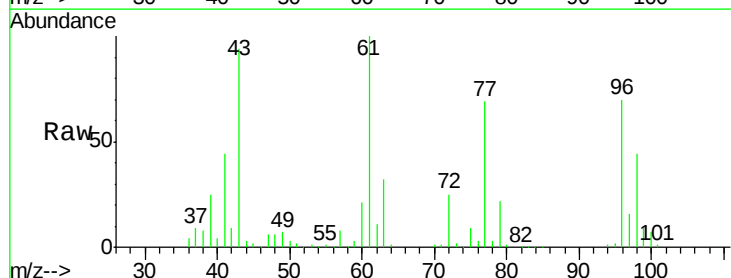
Manual Integrations
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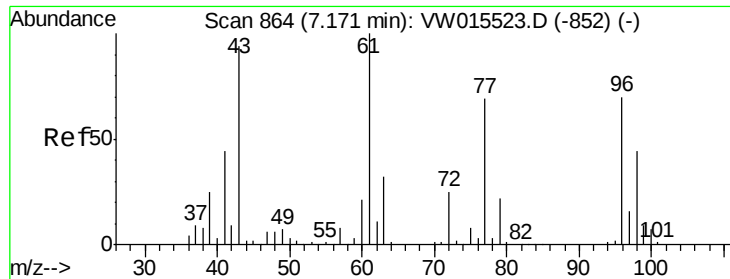
MMDadoda
6/2/2020 4:00:18 PM



#26
2,2-Dichloropropane
Concen: 51.702 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tgt Ion: 77 Resp: 157891
Ion Ratio Lower Upper
77 100
97 22.2 11.1 33.3





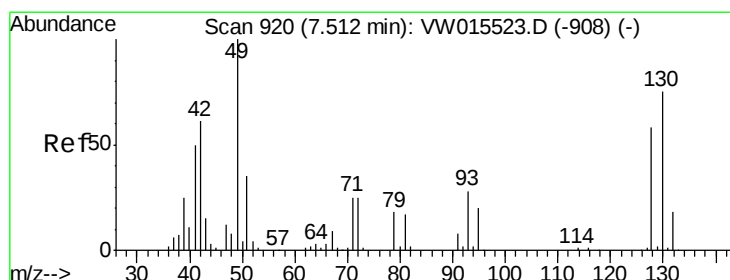
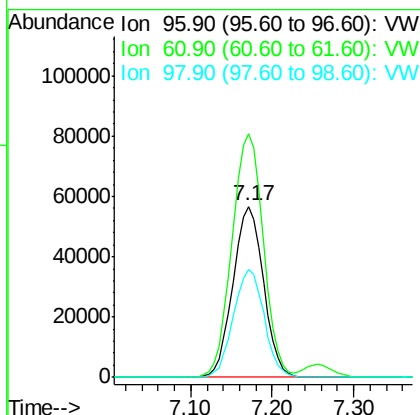
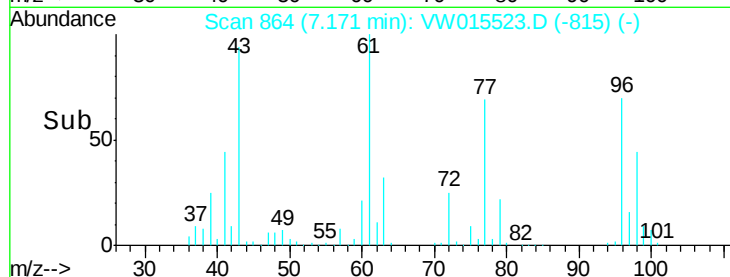
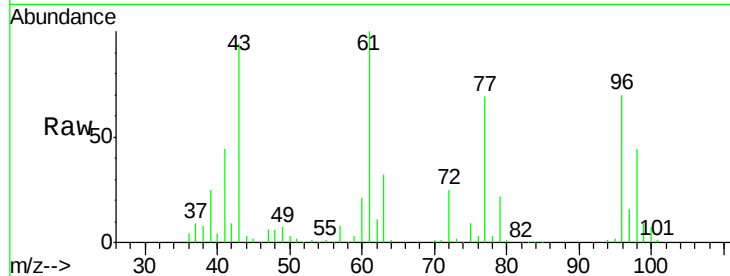
#27
 cis-1,2-Dichloroethene
 Concen: 52.859 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	293.0
98	63.6	0.0	127.2

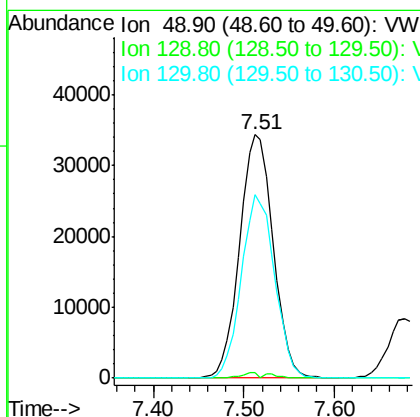
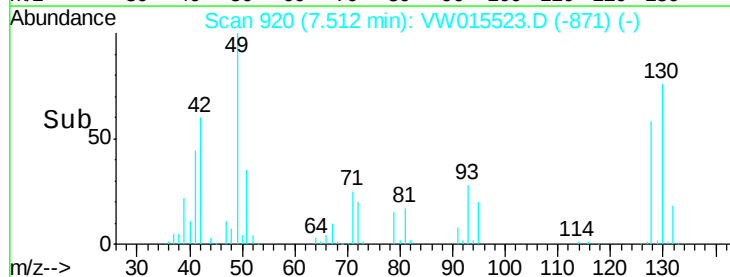
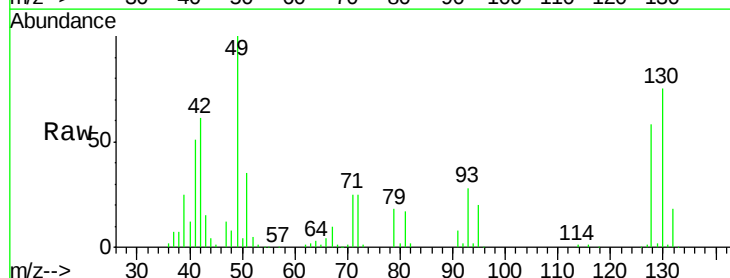
Manual Integrations
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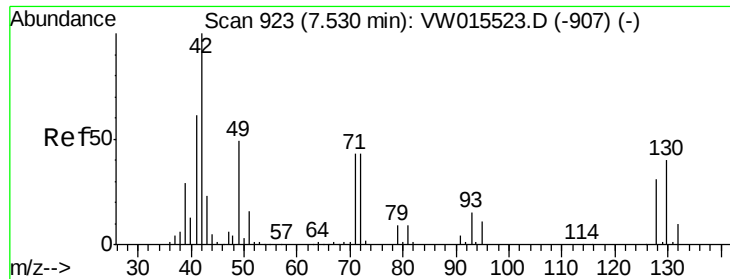
MMDadoda
 6/2/2020 4:00:18 PM



#28
 Bromochloromethane
 Concen: 48.218 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.0
130	74.6	59.7	89.5





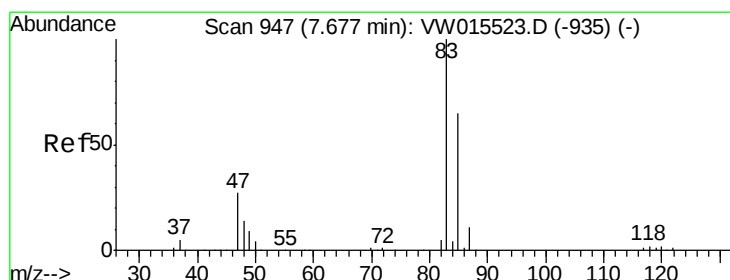
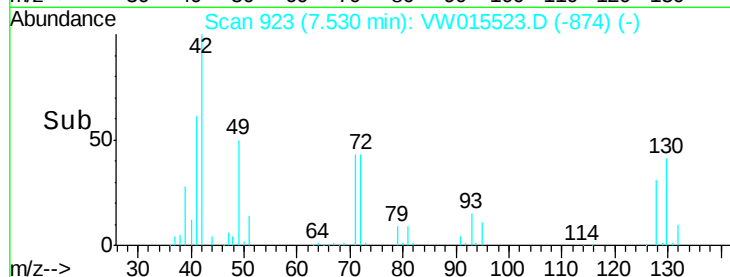
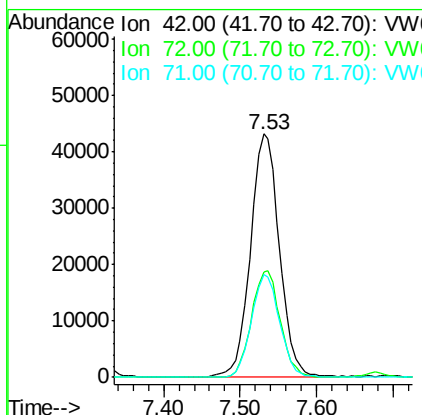
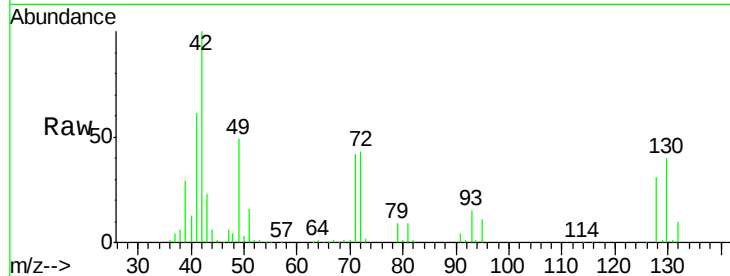
#29
Tetrahydrofuran
Concen: 275.637 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.8	52.2
71	41.6	33.3	49.9

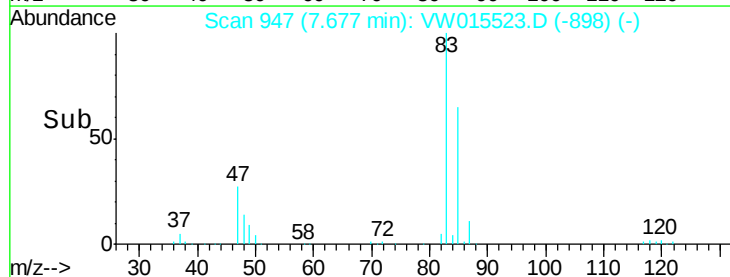
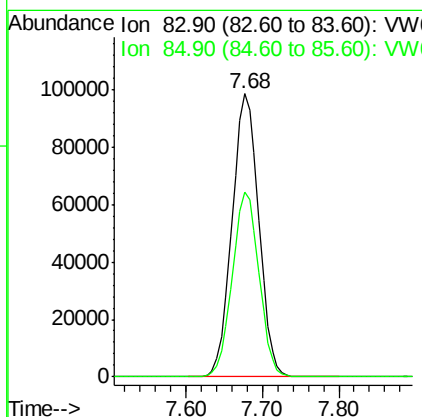
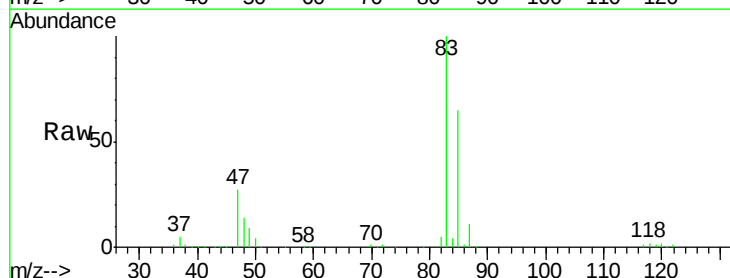
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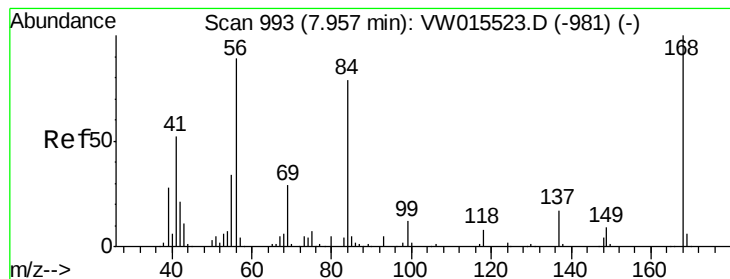
MMDadoda
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#30
Chloroform
Concen: 52.128 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4





#31

Cyclohexane

Concen: 46.989 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Instrument :

MSVOA_W

ClientSampled :

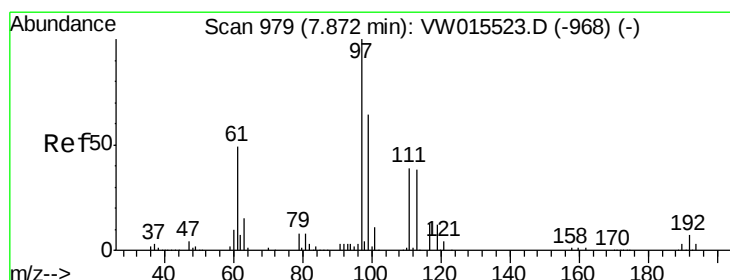
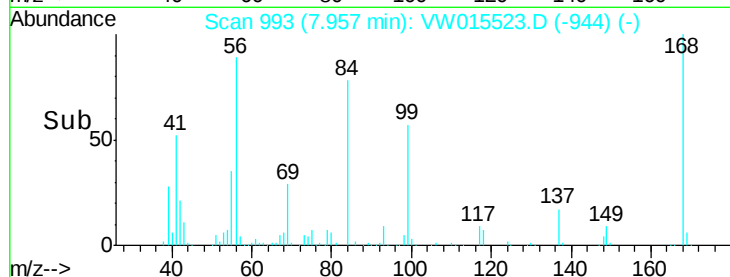
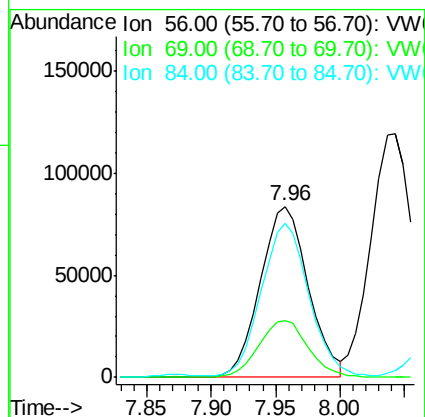
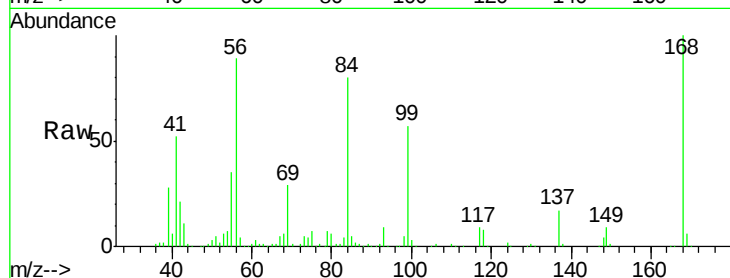
VSTDICCC050

Tot Ion: 56 Resp: 216565

Ion	Ratio	Lower	Upper
56	100		
69	32.9	26.3	39.5
84	88.7	71.0	106.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.974 ug/l

RT: 7.87 min Scan# 979

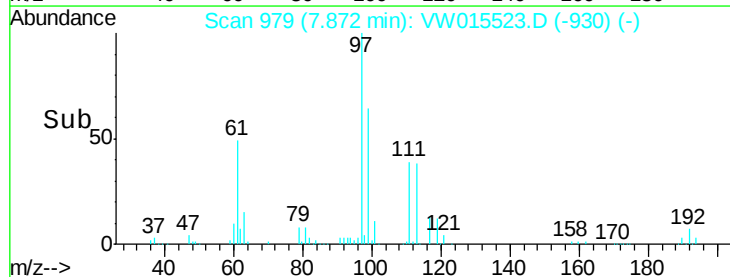
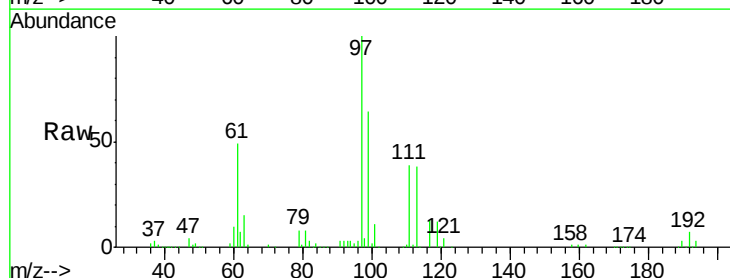
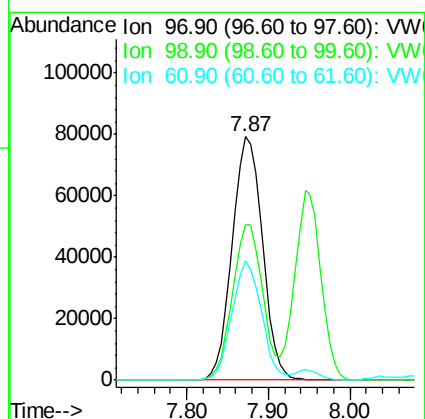
Delta R.T. 0.00 min

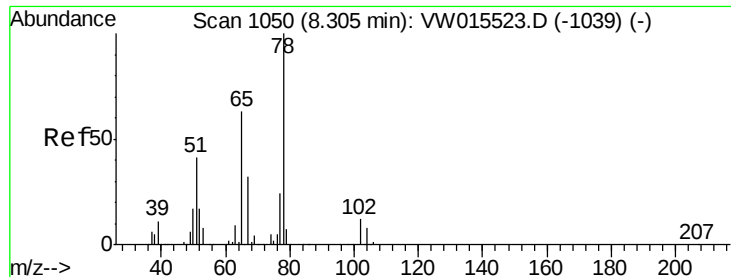
Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Tgt Ion: 97 Resp: 203368

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	47.3	37.8	56.8





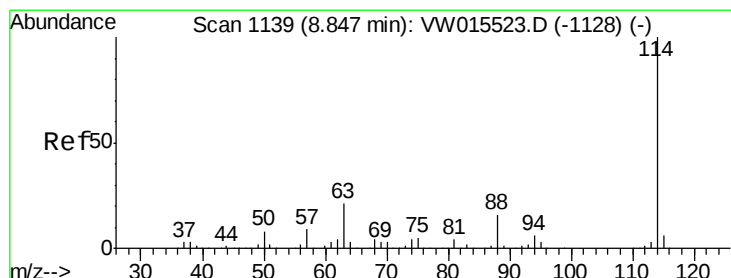
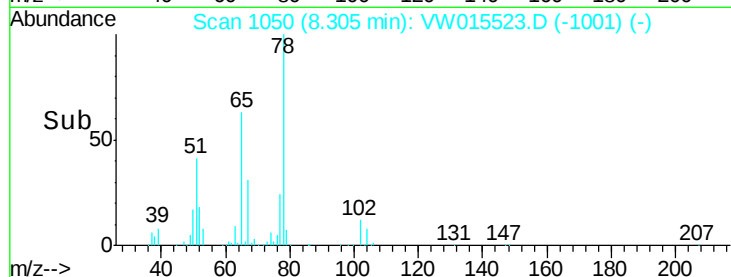
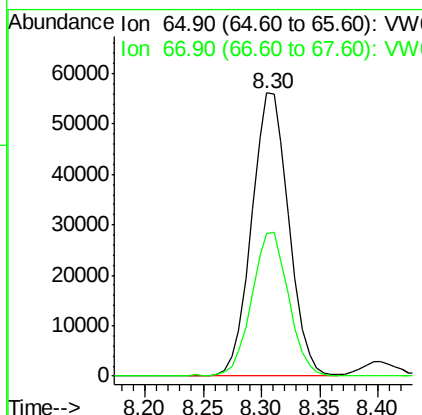
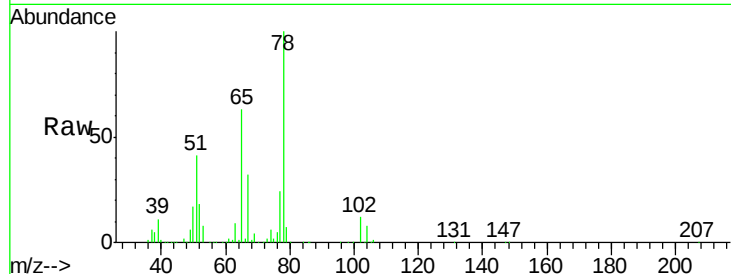
#33
 1,2-Dichloroethane-d4
 Concen: 49.484 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	124603		
67	50.4	0.0	100.8	

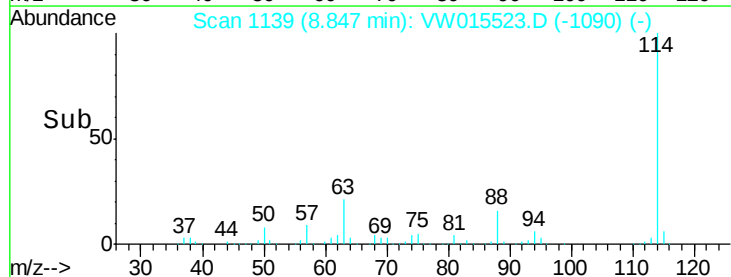
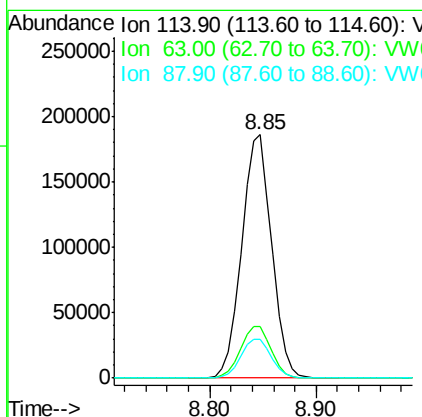
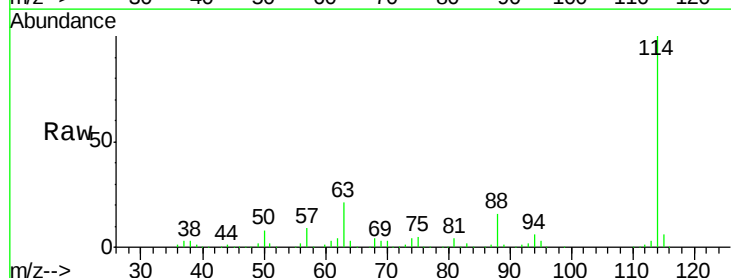
Manual Integrations
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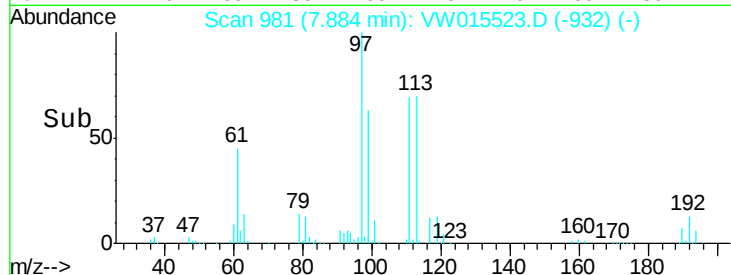
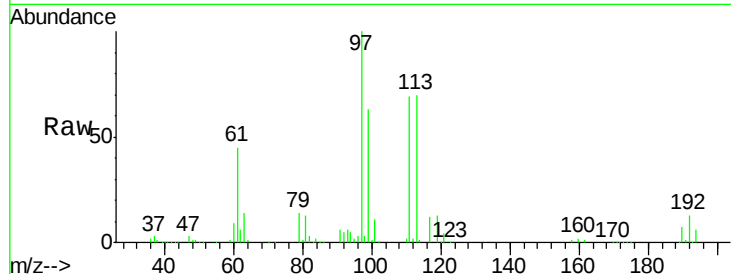
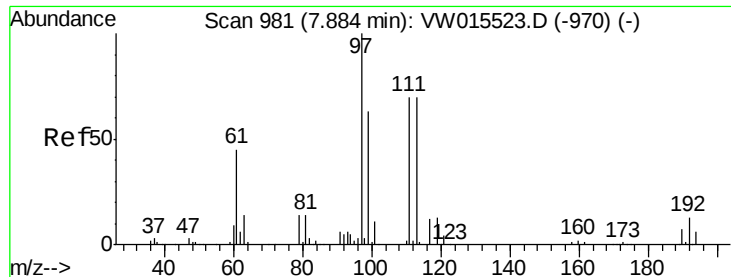
MMDadoda
 6/2/2020 4:00:18 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	366851		
63	21.0	0.0	42.0	
88	15.9	0.0	31.8	





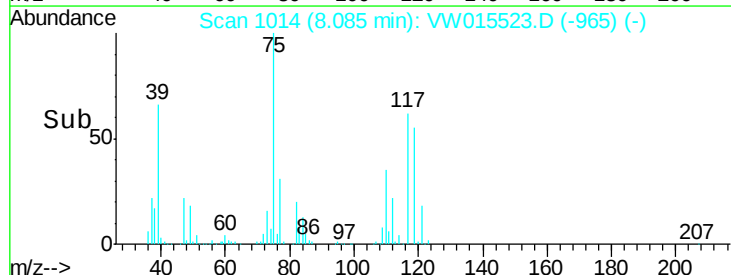
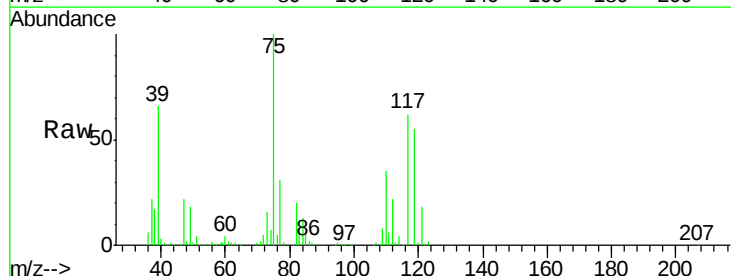
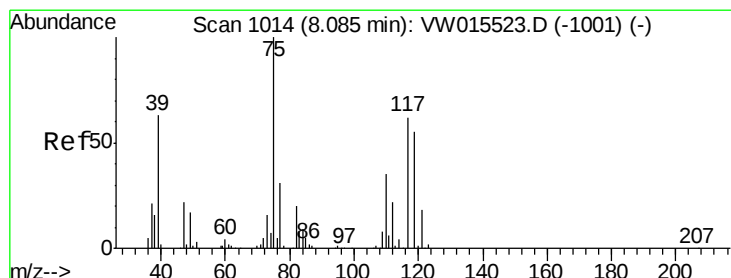
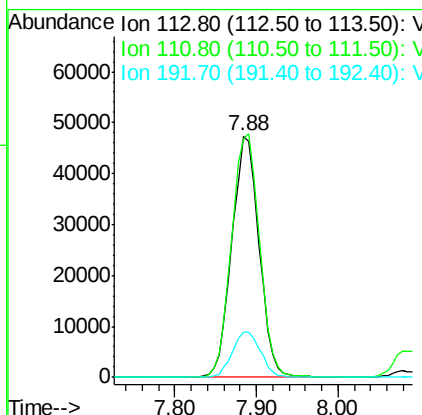
#35
Dibromofluoromethane
Concen: 51.384 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tot Ion	Ratio	Resp	Lower	Upper
113	100	108586		
111	104.1	83.3	124.9	
192	19.7	15.8	23.6	

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

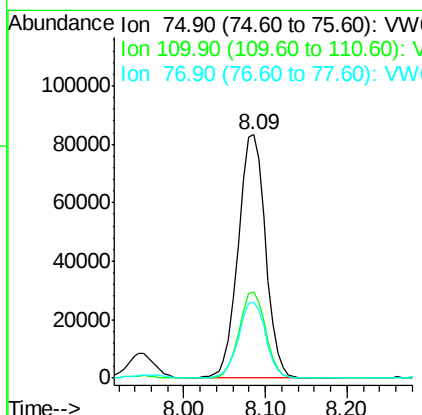
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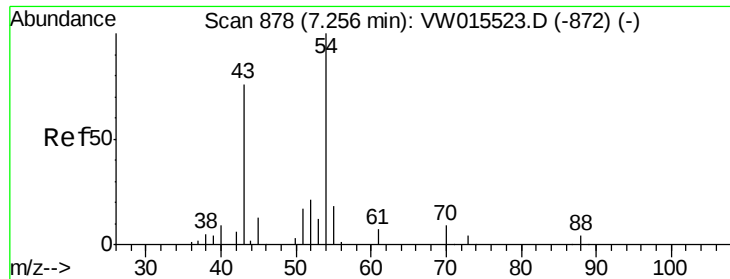
MMDadoda
6/2/2020 4:00:18 PM



#36
1,1-Dichloropropene
Concen: 52.838 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	192372		
110	34.4	17.2	51.6	
77	31.2	25.0	37.4	





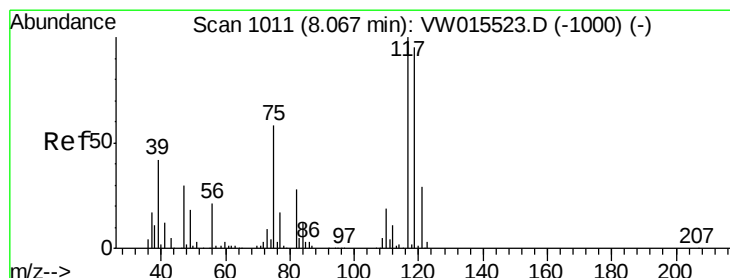
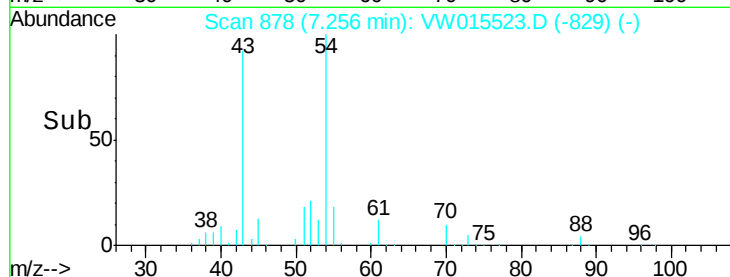
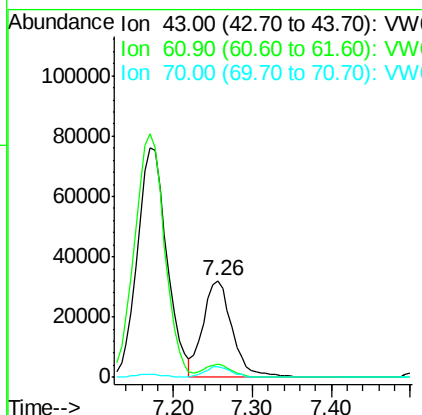
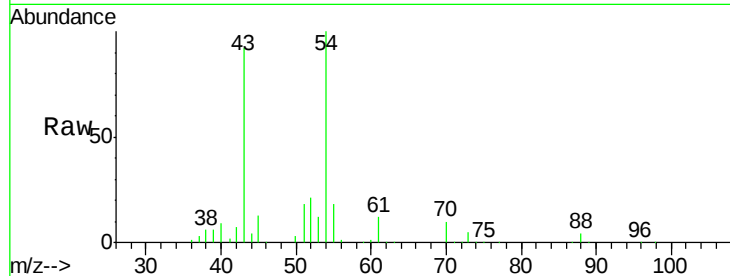
#37
Ethyl Acetate
Concen: 56.984 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	10.5	8.4	12.6

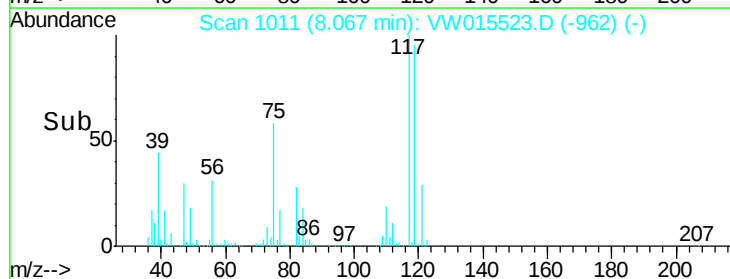
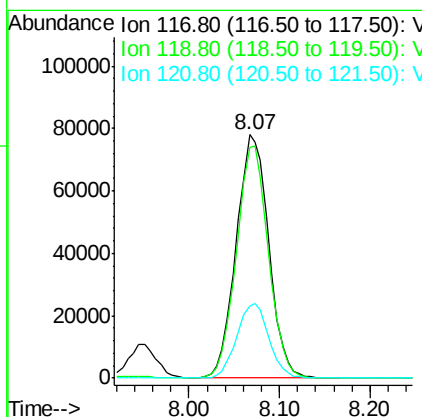
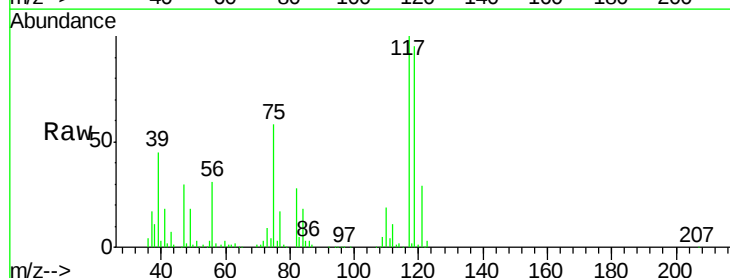
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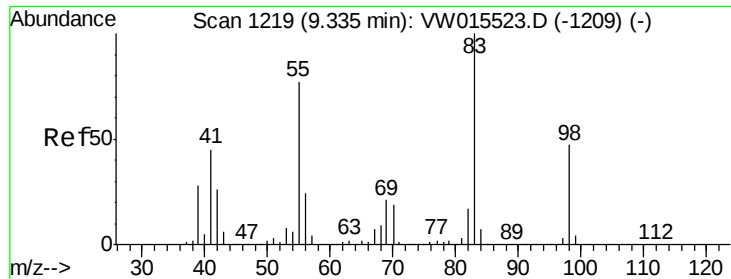
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#38
Carbon Tetrachloride
Concen: 56.162 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.9	113.9
121	29.4	23.5	35.3





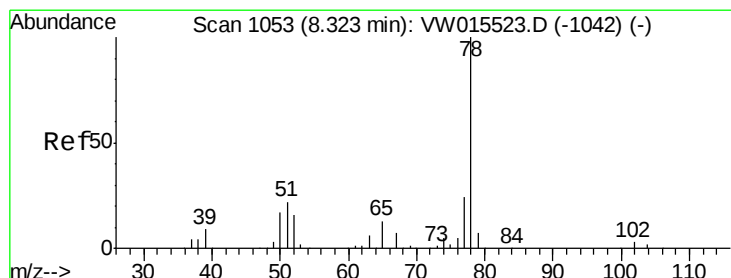
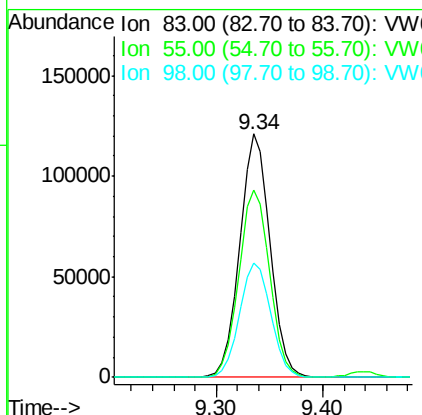
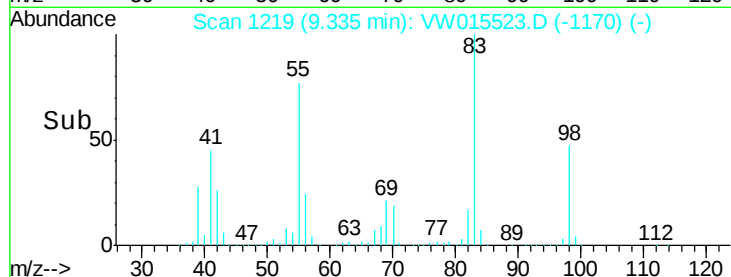
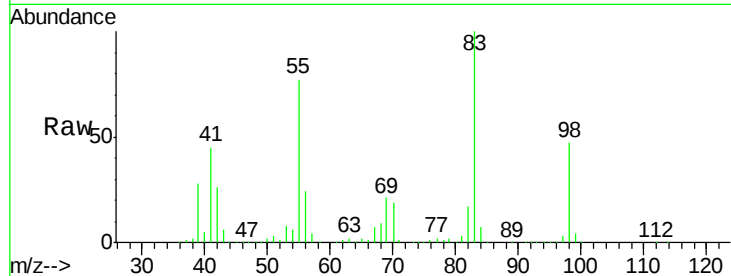
#39
Methvlcvclohexane
Concen: 52.398 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	61.7	92.5
98	47.1	37.7	56.5

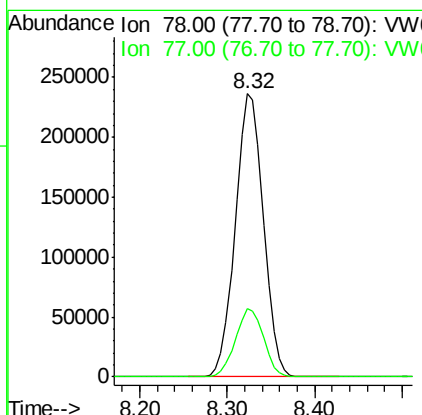
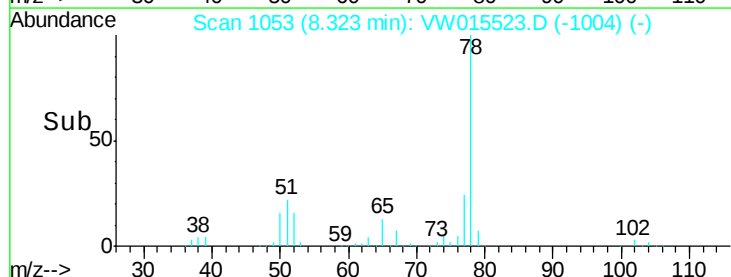
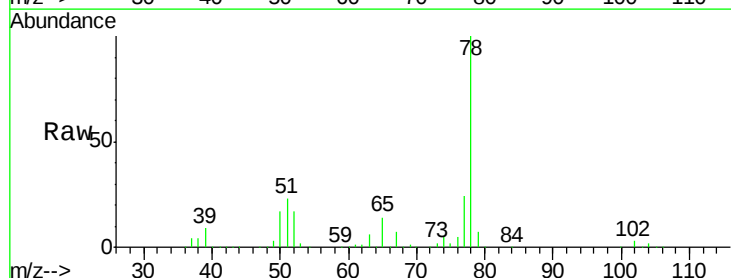
Manual Integrations
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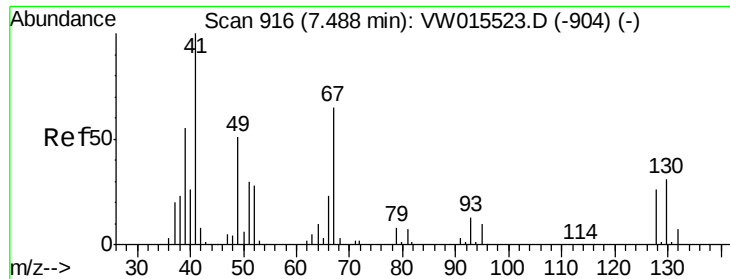
MMDadoda
6/2/2020 4:00:18 PM



#40
Benzene
Concen: 52.894 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





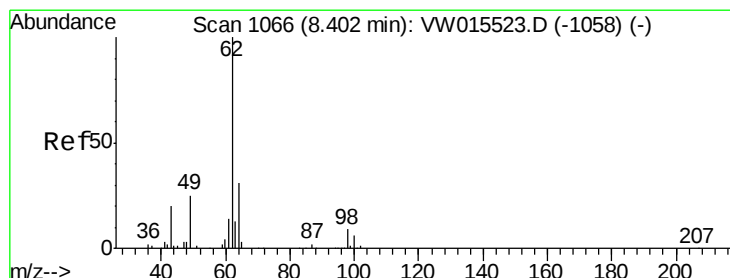
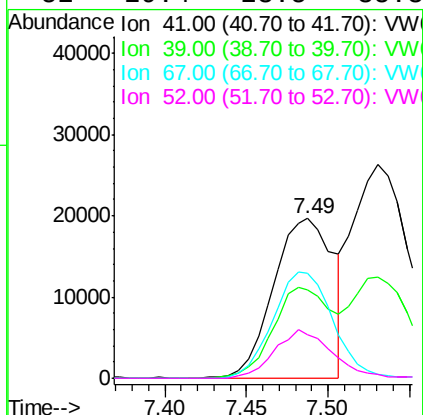
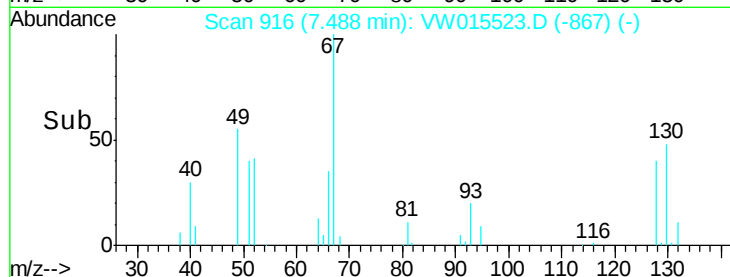
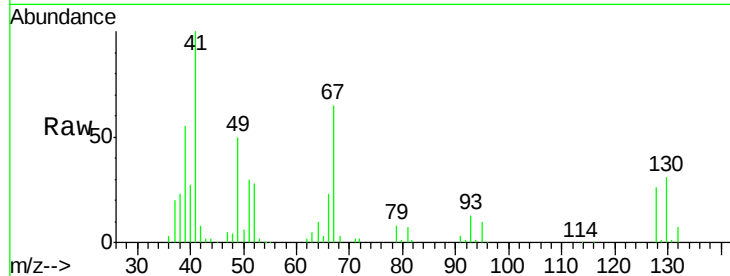
#41
Methacrylonitrile
Concen: 54.892 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	50193
Ion	Ratio	Lower	Upper
41	100		
39	55.6	44.5	66.7
67	66.4	53.1	79.7
52	29.4	23.5	35.3

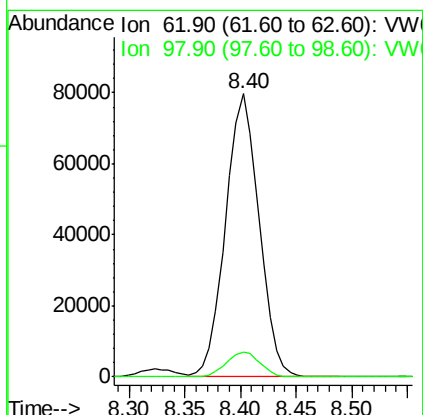
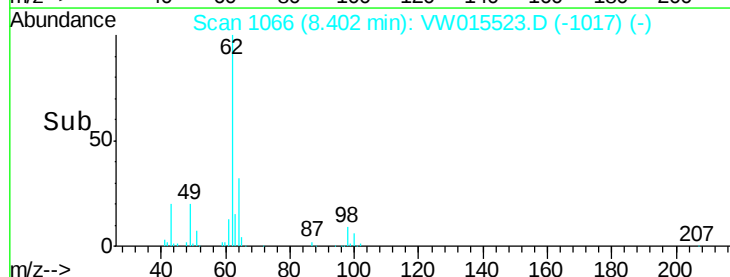
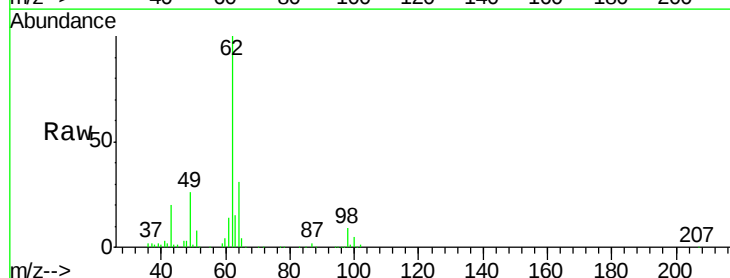
Manual Integrations
APPROVED

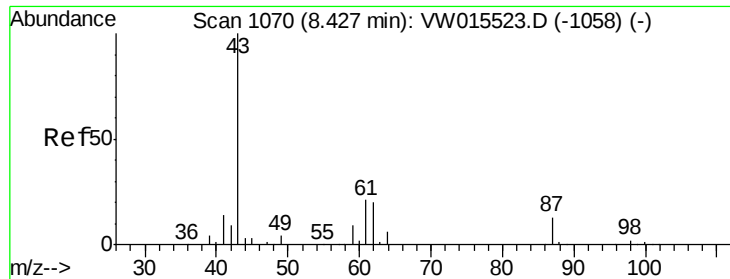
MMDadoda
6/2/2020 4:00:18 PM



#42
1,2-Dichloroethane
Concen: 54.457 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tgt Ion	62	Resp	166342
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6





#43

Isopropyl Acetate

Concen: 55.007 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Instrument :

MSVOA_W

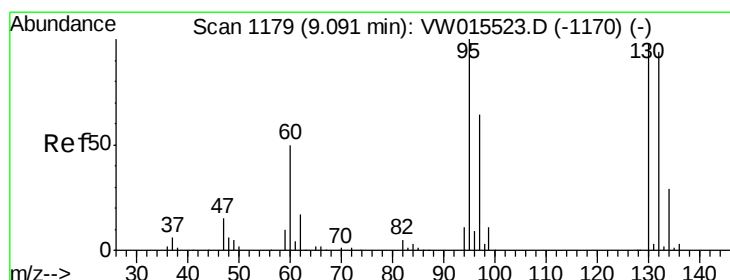
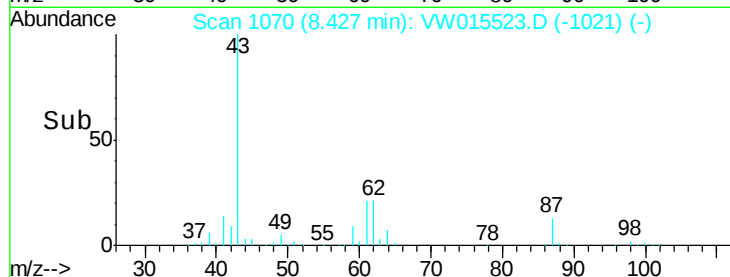
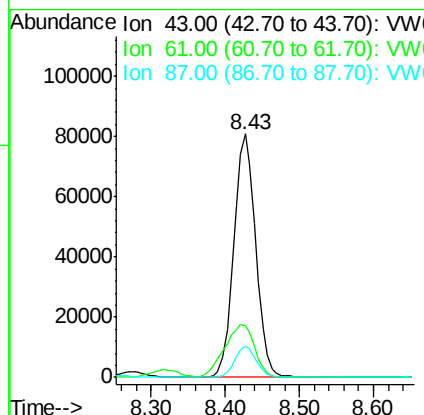
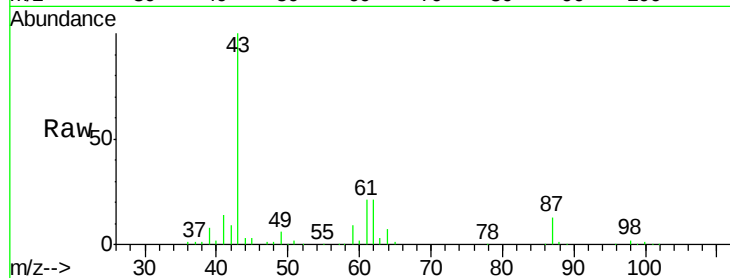
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	165987
Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.8	35.8
87	12.6	10.1	15.1

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#44

Trichloroethene

Concen: 53.946 ug/l

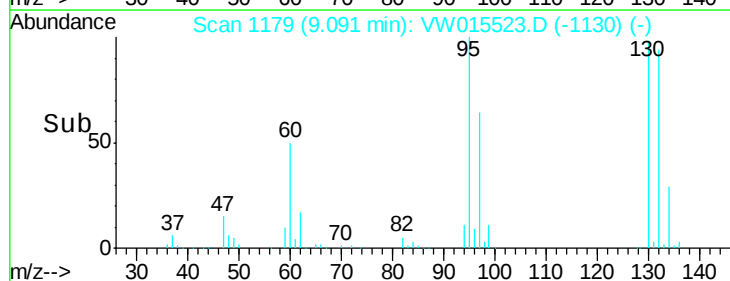
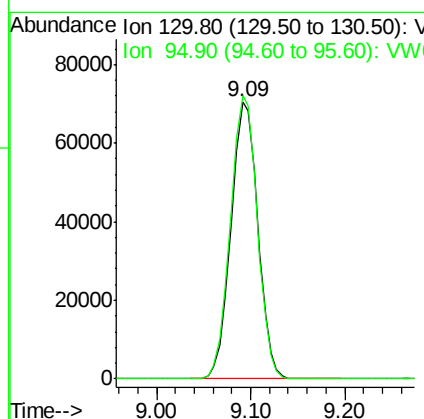
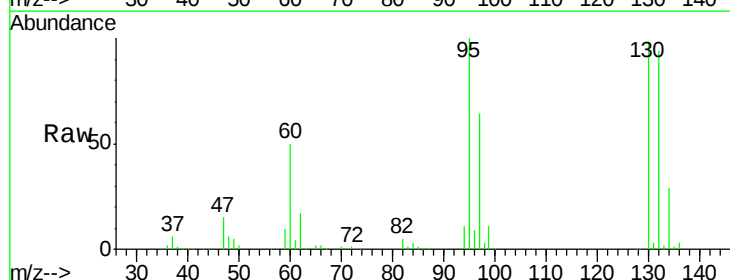
RT: 9.09 min Scan# 1179

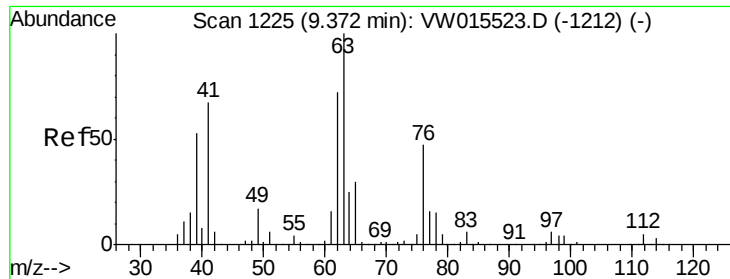
Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Tgt Ion:	130	Resp:	139619
Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	204.0





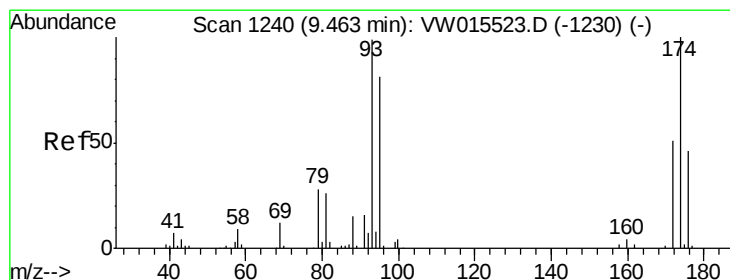
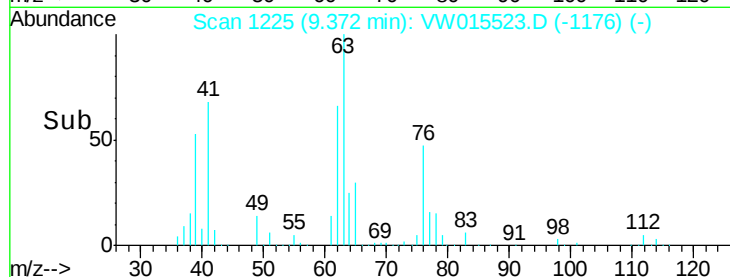
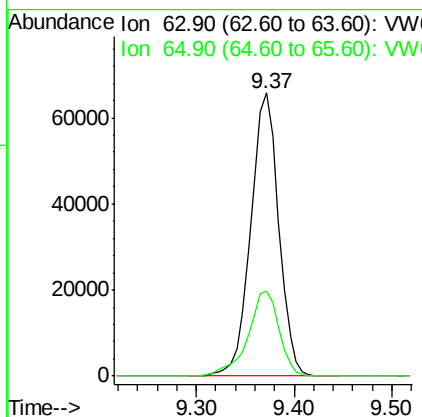
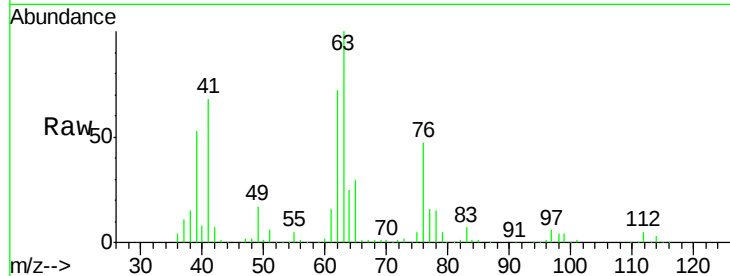
#45
 1,2-Dichloropropane
 Concen: 52.910 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.0	36.0

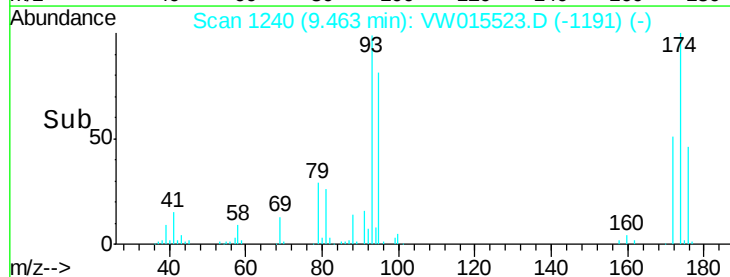
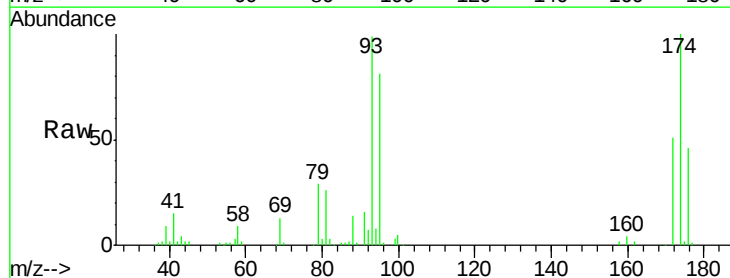
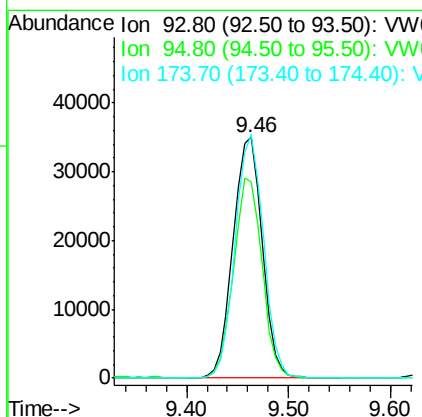
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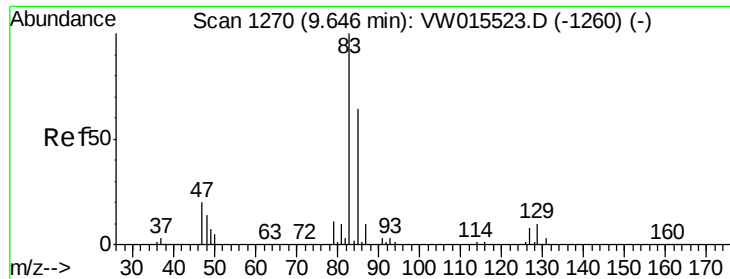
MMDadoda
 6/2/2020 4:00:18 PM



#46
 Dibromomethane
 Concen: 55.843 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.4	65.1	97.7
174	98.3	78.6	118.0





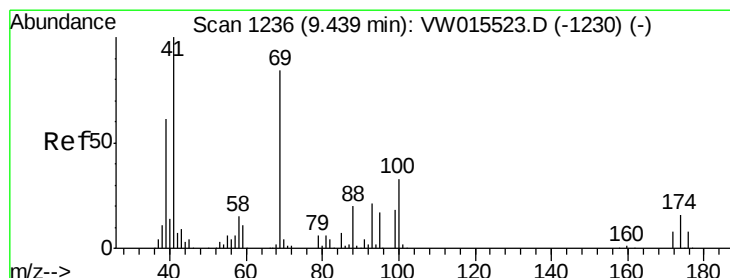
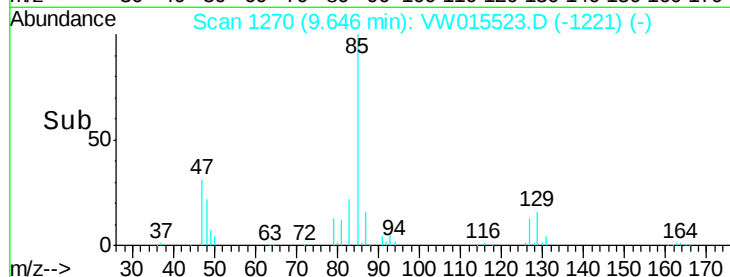
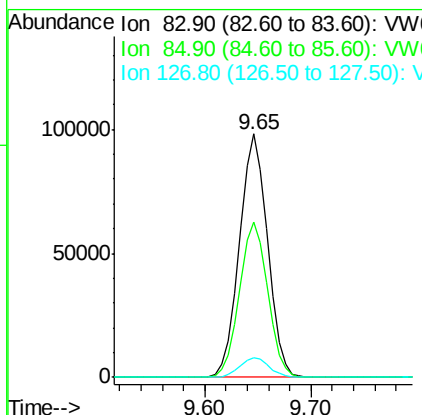
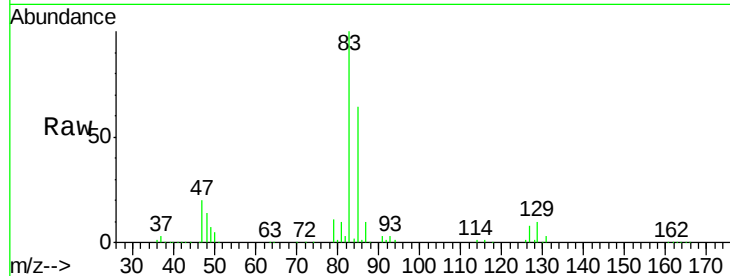
#47
Bromodichloromethane
Concen: 54.472 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	182601		
85	63.9		51.1	76.7
127	8.0		6.4	9.6

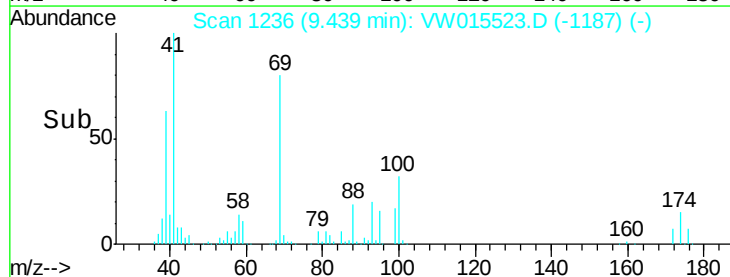
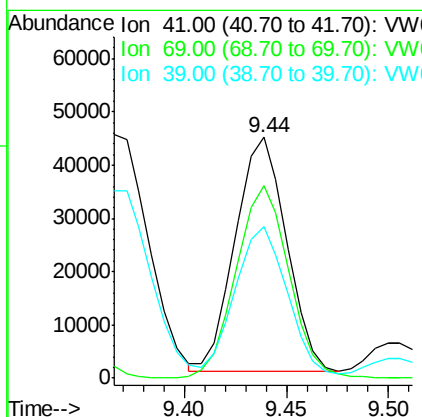
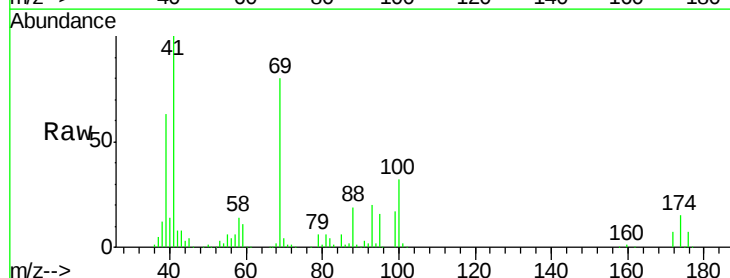
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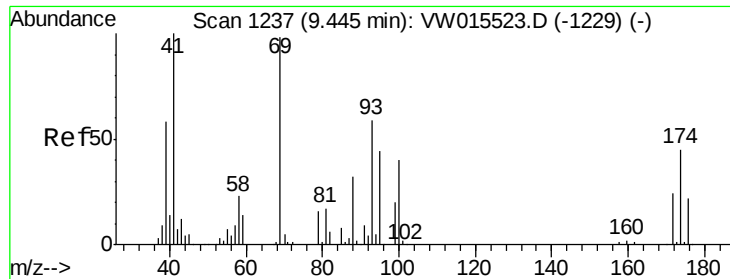
MMDadoda
6/2/2020 4:00:18 PM



#48
Methyl methacrylate
Concen: 55.520 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	77038		
69	84.8		67.8	101.8
39	62.7		50.2	75.2





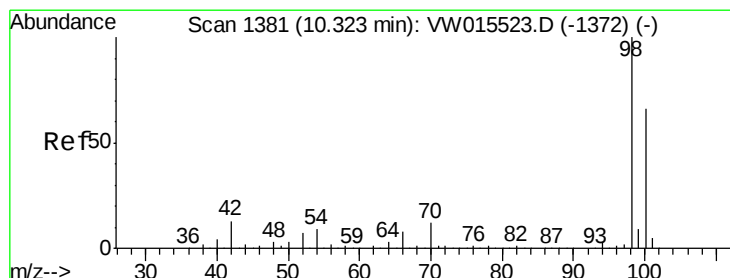
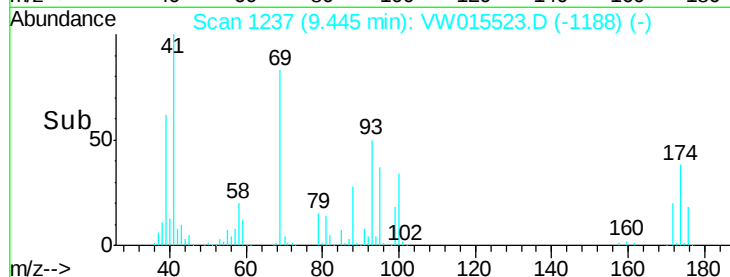
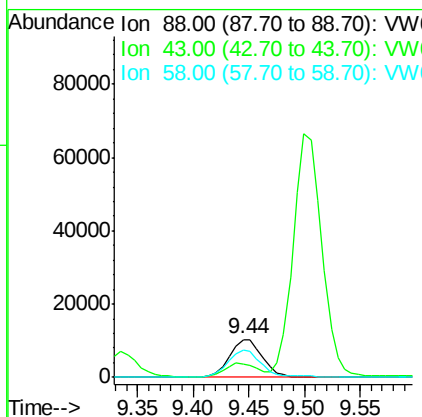
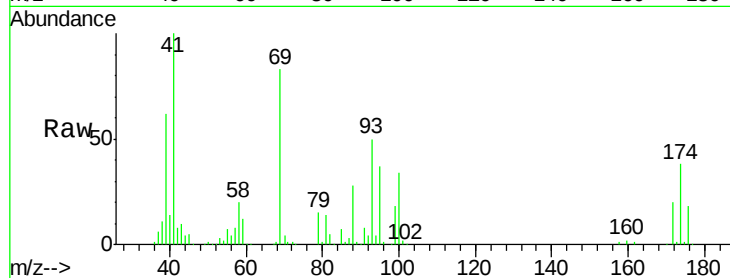
#49
1,4-Dioxane
Concen: 1318.450 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	27.9	41.9
58	73.5	58.8	88.2

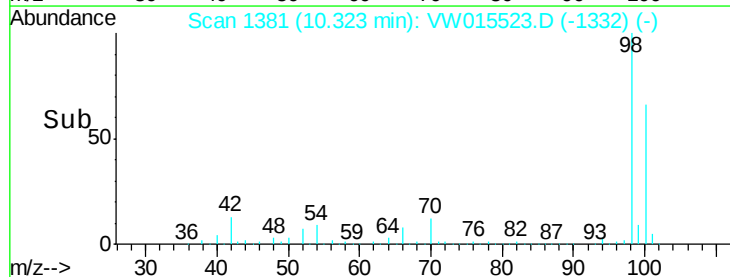
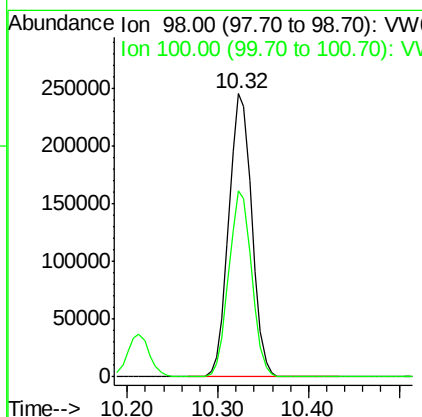
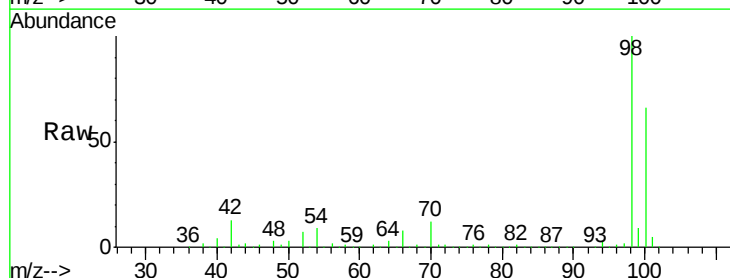
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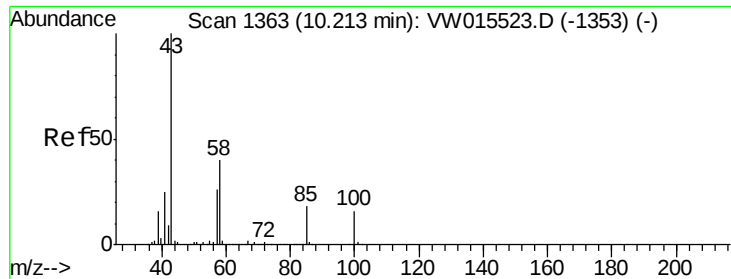
MMDadoda
6/2/2020 4:00:18 PM



#50
Toluene-d8
Concen: 49.915 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 281.531 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 398660

Ion Ratio Lower Upper

43 100

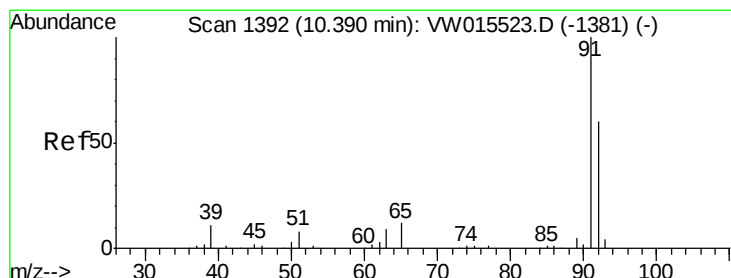
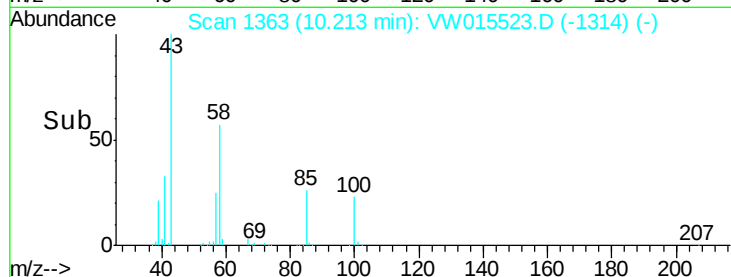
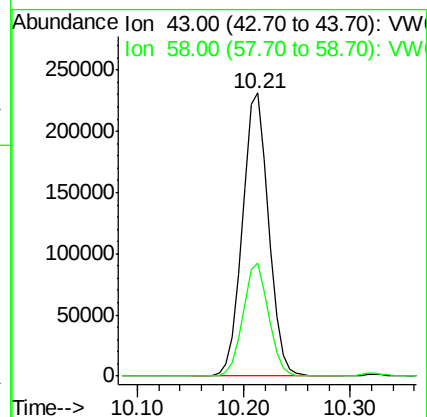
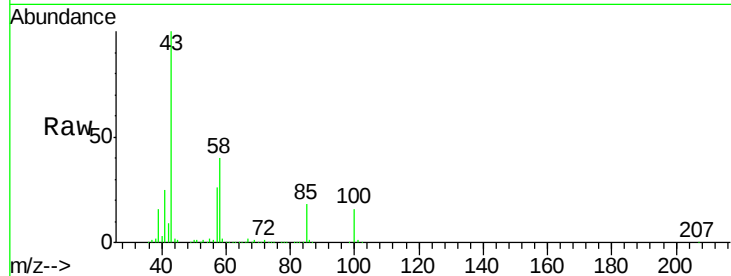
58 39.2 31.4 47.0

Manual Integrations

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6/2/2020 4:00:18 PM



#52

Toluene

Concen: 52.961 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015523.D

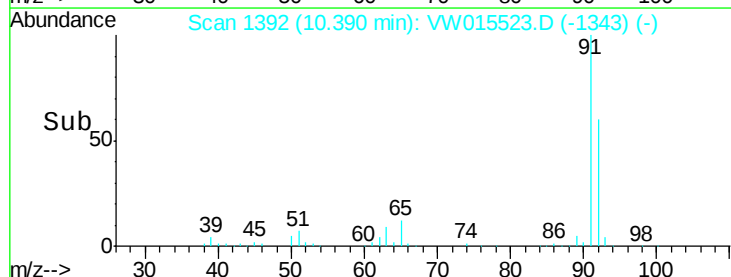
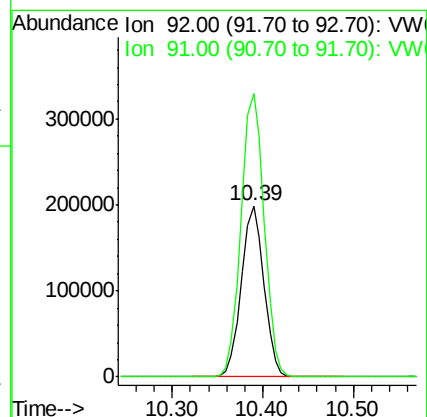
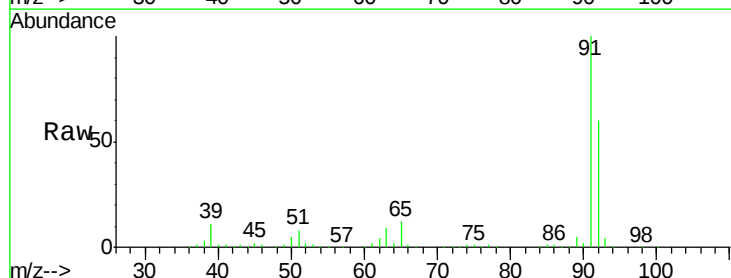
Acq: 02 Jun 2020 12:36

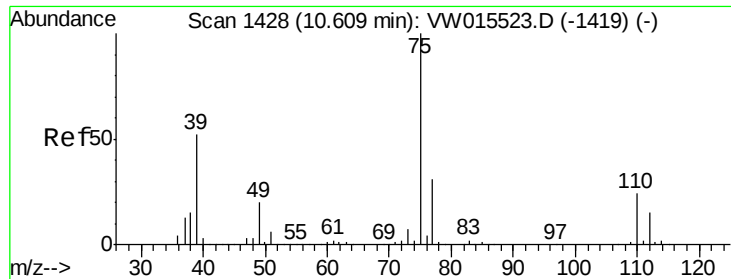
Tgt Ion: 92 Resp: 342386

Ion Ratio Lower Upper

92 100

91 170.6 136.5 204.7





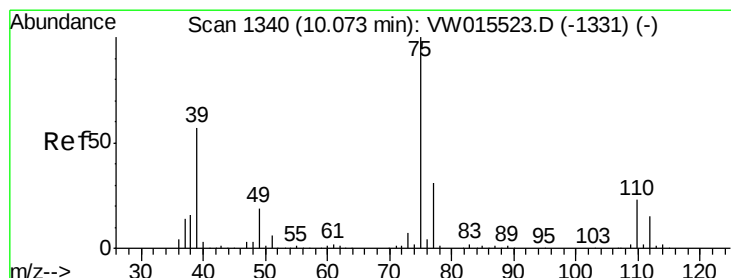
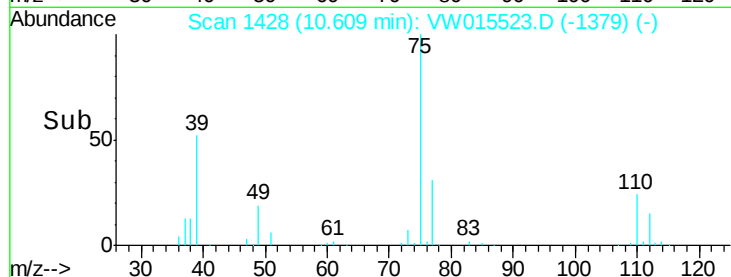
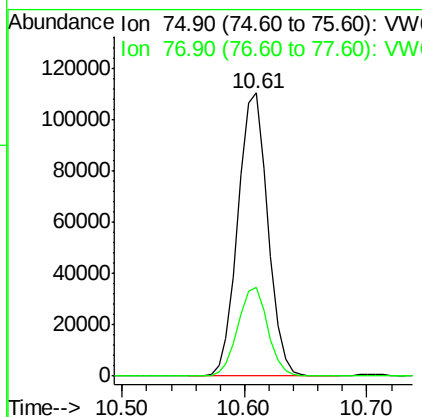
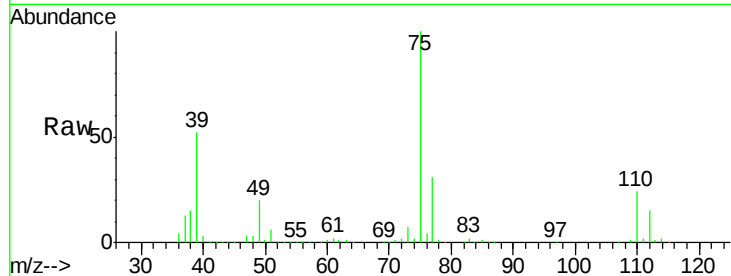
#53
t-1,3-Dichloropropene
Concen: 54.849 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 187806
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.4

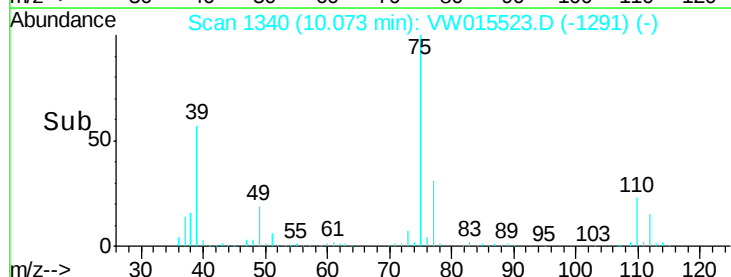
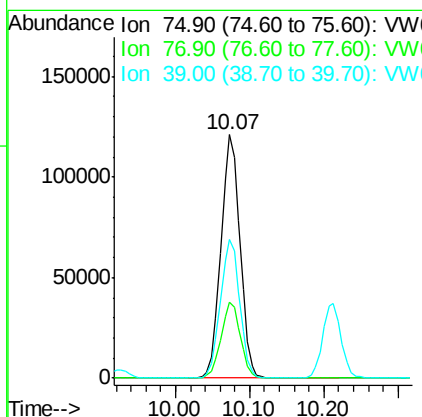
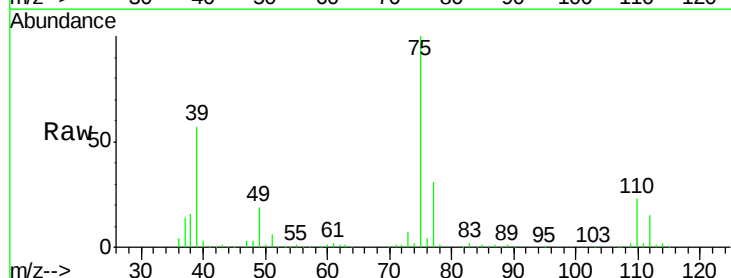
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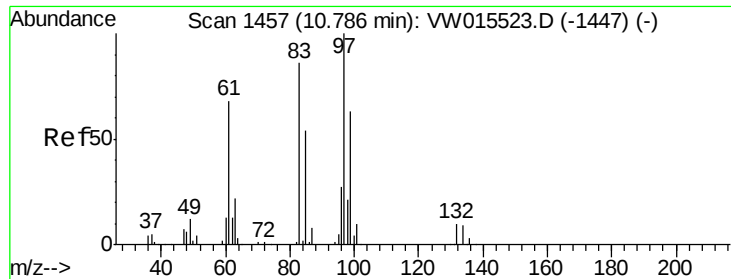
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#54
cis-1,3-Dichloropropene
Concen: 53.509 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tgt Ion: 75 Resp: 214606
Ion Ratio Lower Upper
75 100
77 31.1 24.9 37.3
39 56.8 45.4 68.2





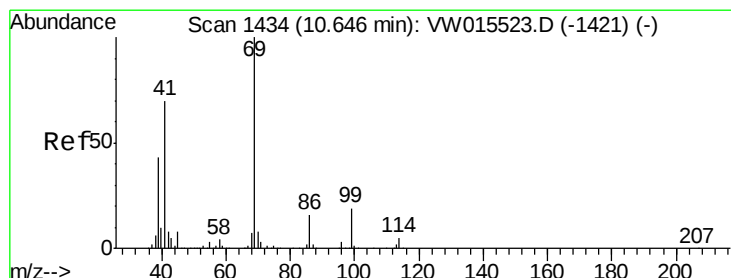
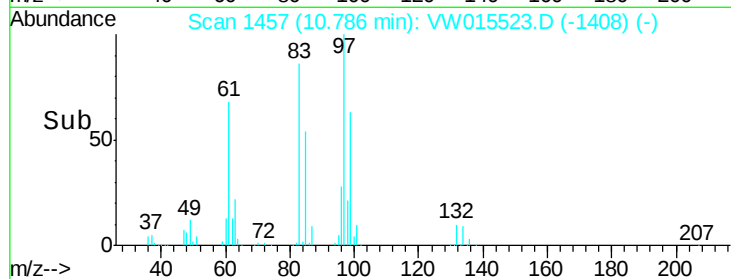
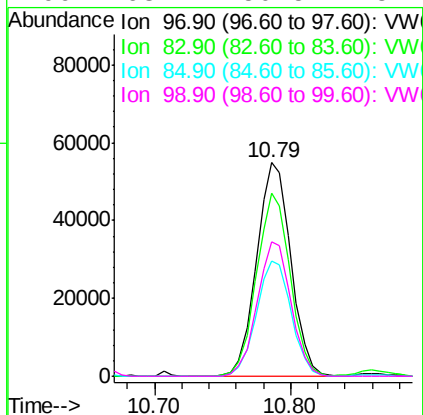
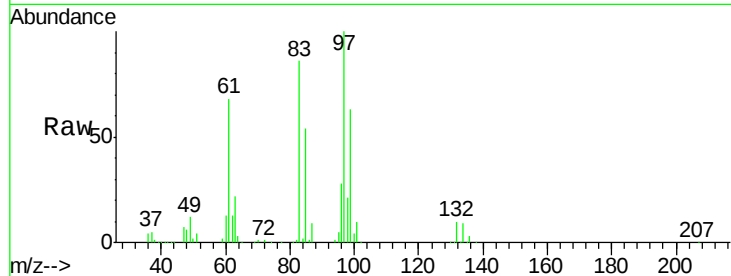
#55
 1,1,2-Trichloroethane
 Concen: 55.168 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	96581
Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.6	102.8
85	54.0	43.2	64.8
99	63.1	50.5	75.7

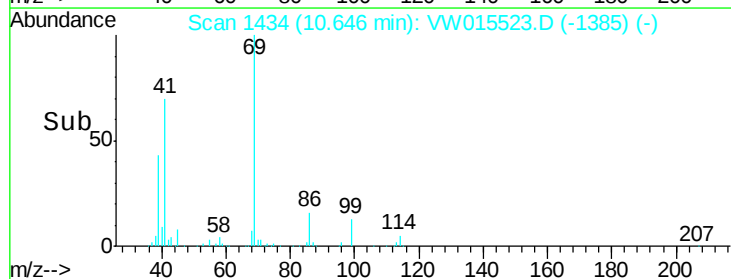
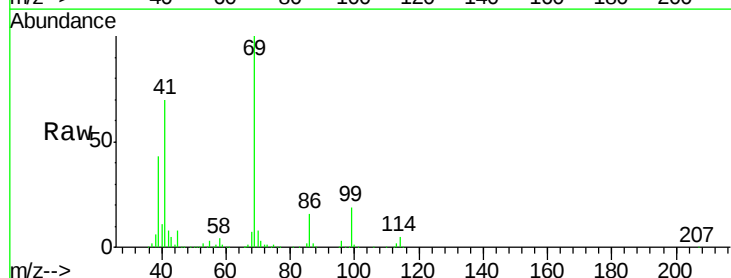
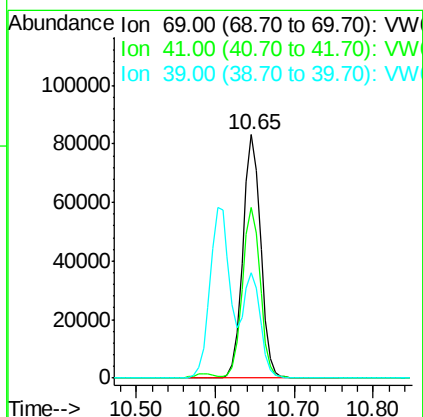
Manual Integrations
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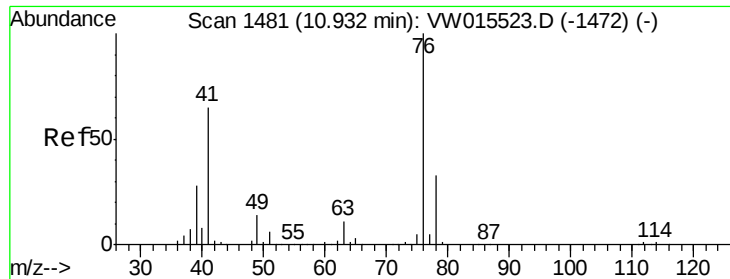
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 6/2/2020 4:00:18 PM



#56
 Ethyl methacrylate
 Concen: 54.671 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Tgt Ion:	69	Resp:	130730
Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.2	84.4
39	41.6	33.3	49.9





#57

1,3-Dichloropropane

Concen: 54.323 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 76 Resp: 170253

Ion Ratio Lower Upper

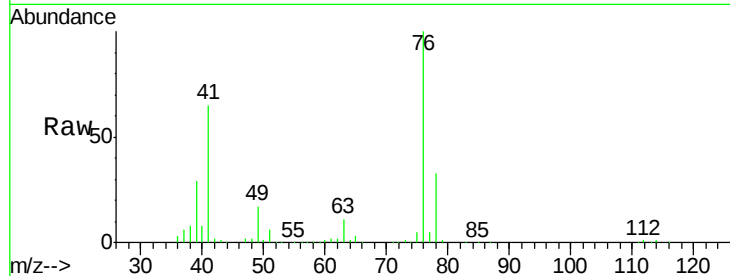
76 100

78 32.6 26.1 39.1

Manual Integrations
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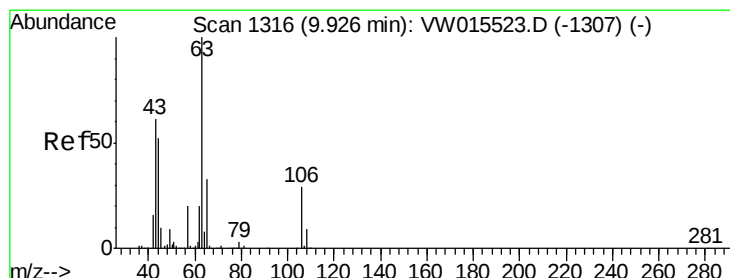
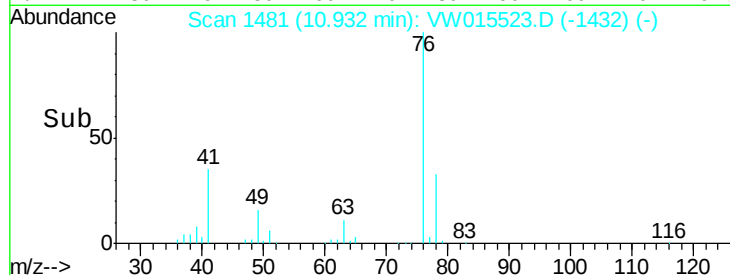
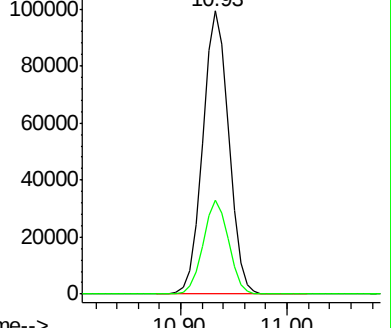
MMDadoda

6/2/2020 4:00:18 PM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 250.213 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW015523.D

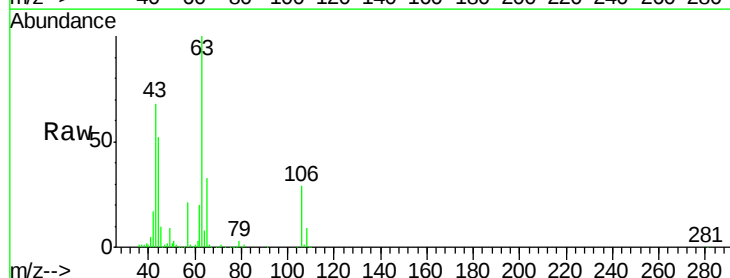
Acq: 02 Jun 2020 12:36

Tgt Ion: 63 Resp: 284809

Ion Ratio Lower Upper

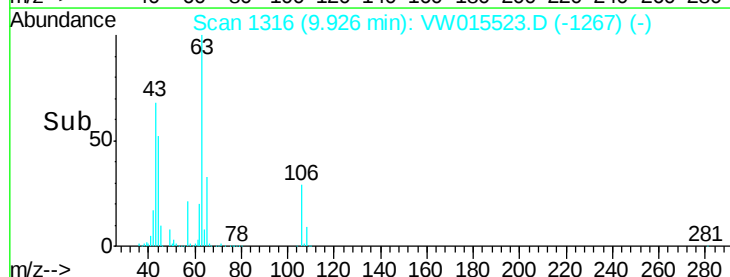
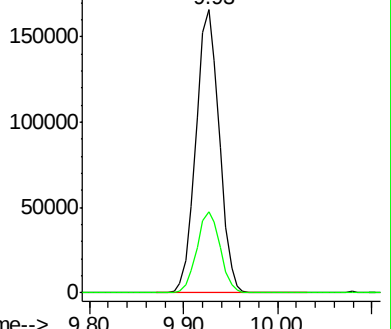
63 100

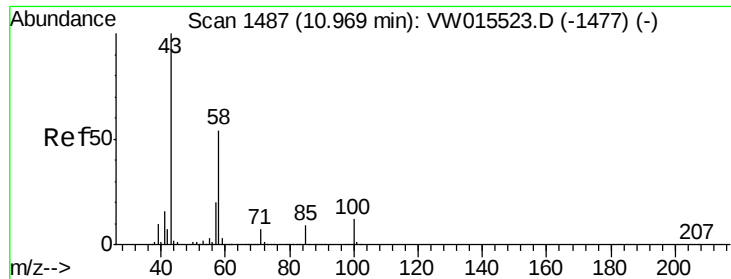
106 28.6 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





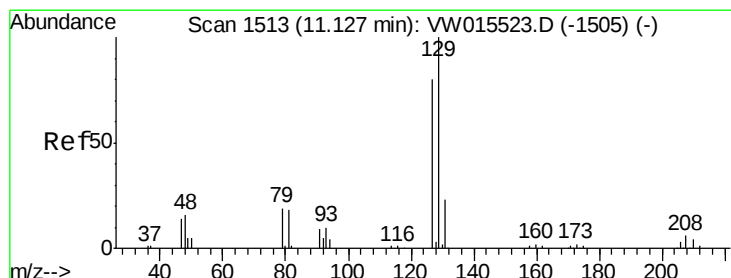
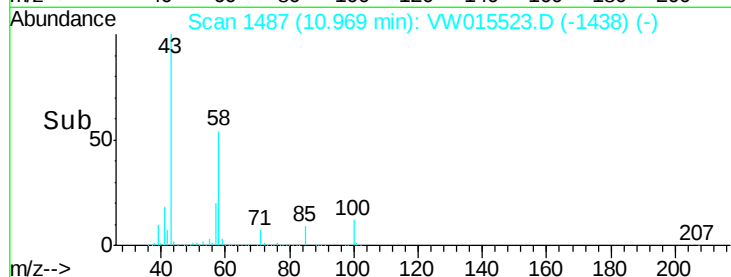
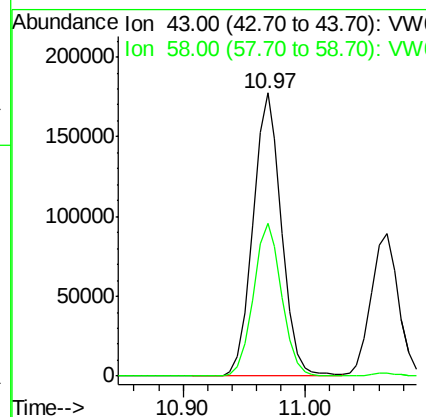
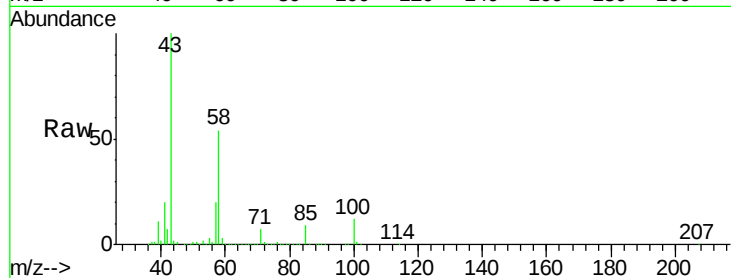
#59
2-Hexanone
Concen: 297.138 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 287879
Ion Ratio Lower Upper
43 100
58 53.5 26.8 80.3

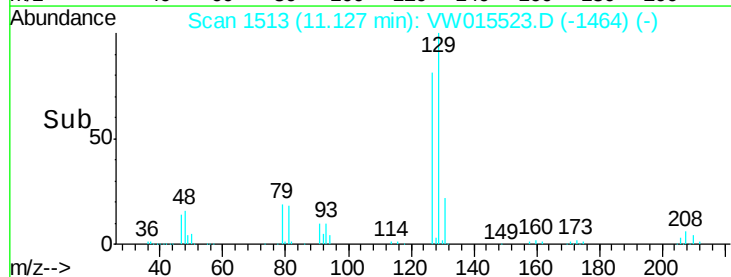
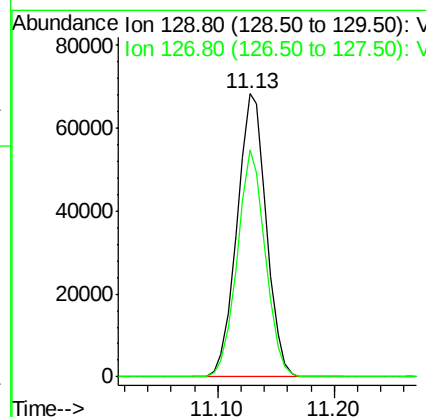
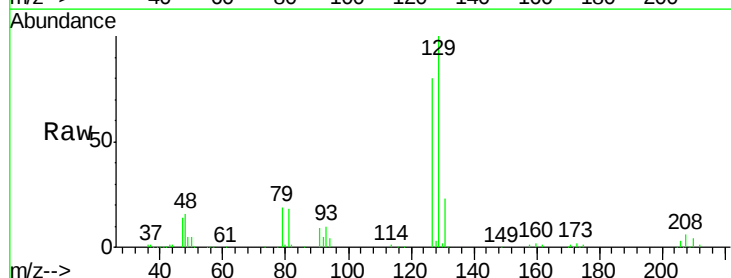
Manual Integrations
APPROVED

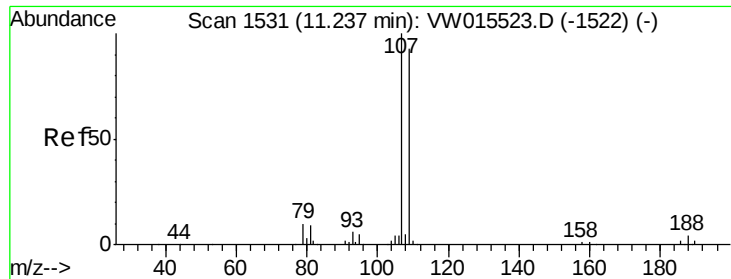
MMDadoda
6/2/2020 4:00:18 PM



#60
Dibromochloromethane
Concen: 56.509 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tgt Ion: 129 Resp: 119222
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.2





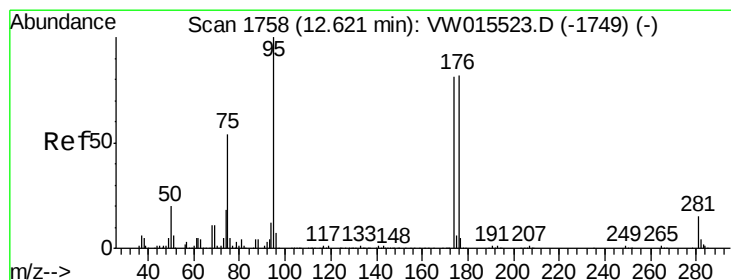
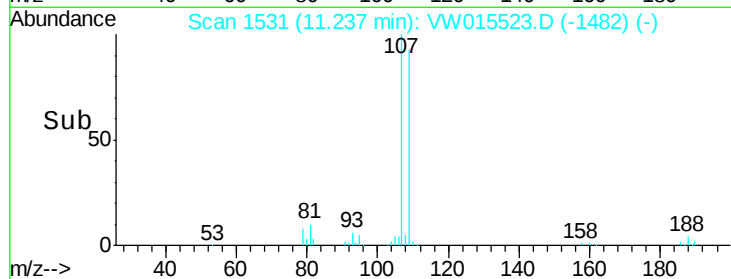
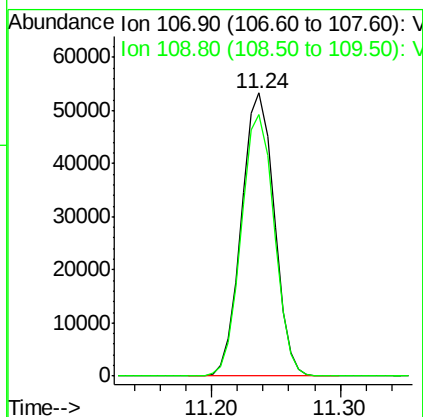
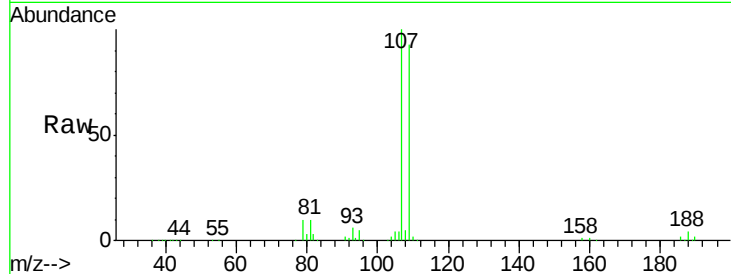
#61
 1,2-Dibromoethane
 Concen: 56.502 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 107 Resp: 93765
 Ion Ratio Lower Upper
 107 100
 109 93.2 74.6 111.8

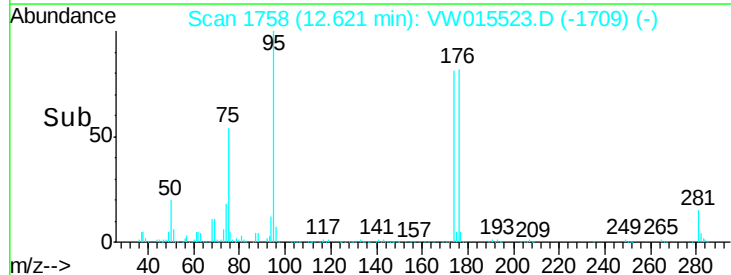
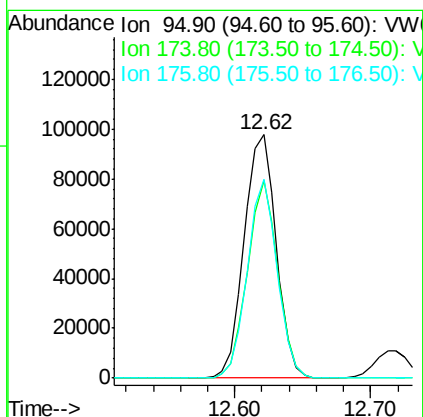
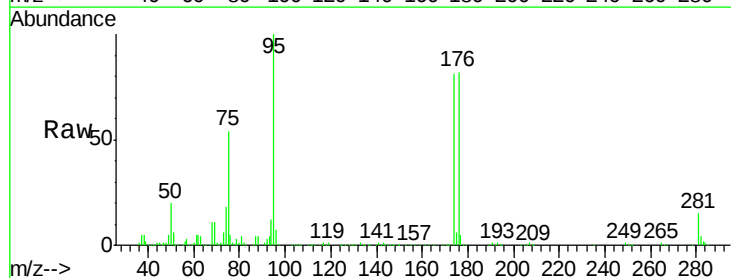
Manual Integrations
 APPROVED

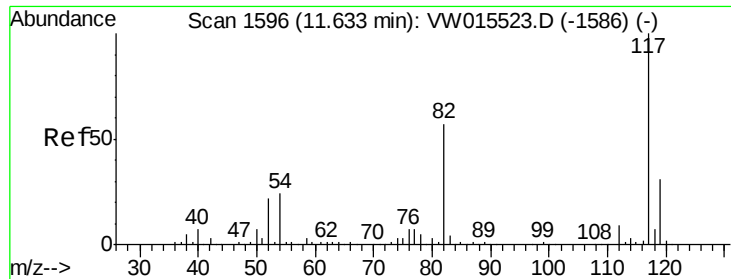
MMDadoda
 6/2/2020 4:00:18 PM



#62
 4-Bromofluorobenzene
 Concen: 50.443 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Tgt Ion: 95 Resp: 161671
 Ion Ratio Lower Upper
 95 100
 174 76.8 0.0 153.6
 176 76.4 0.0 152.8





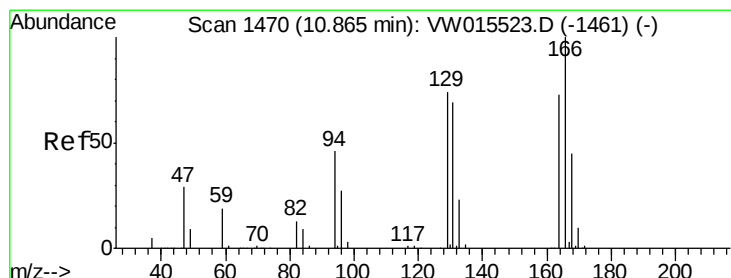
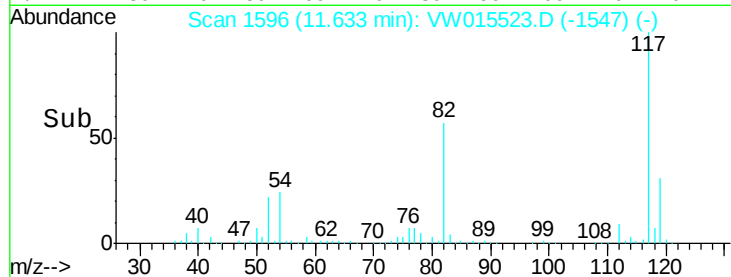
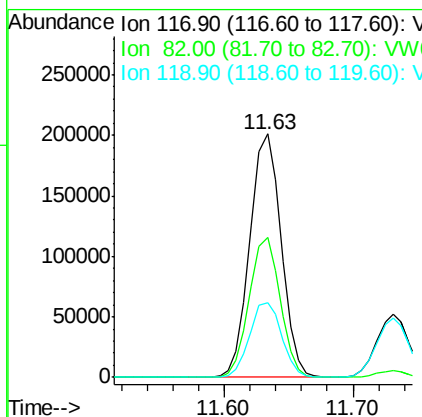
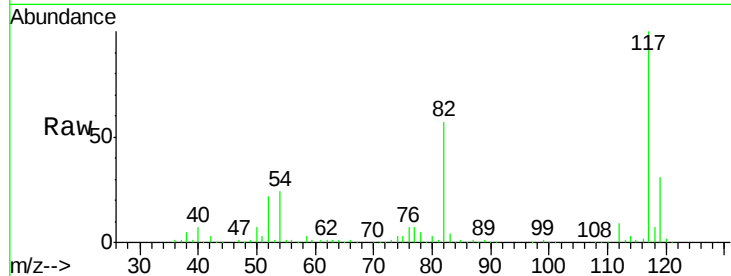
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.8	68.8
119	30.9	24.7	37.1

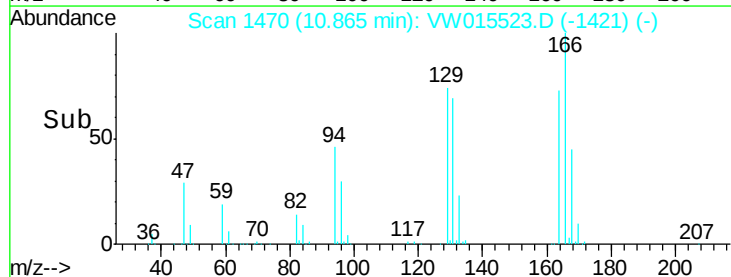
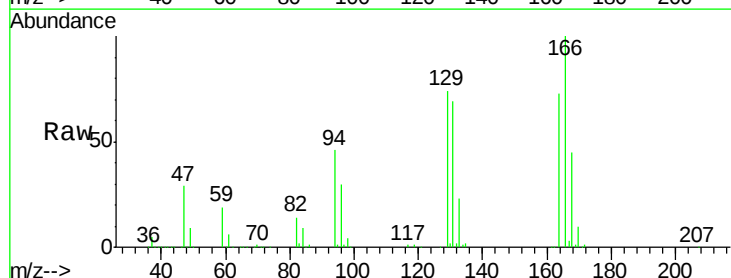
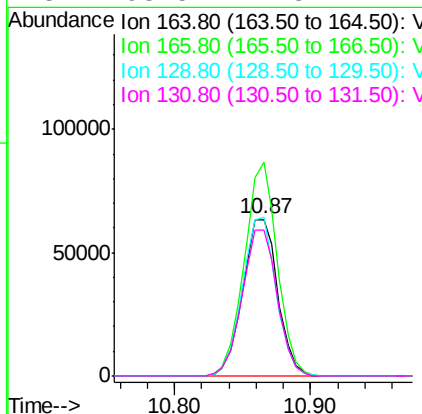
Manual Integrations
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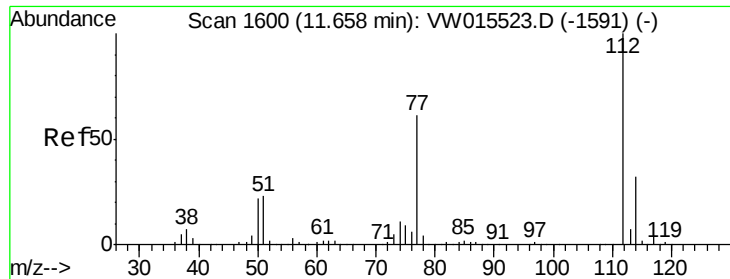
MMDadoda
6/2/2020 4:00:18 PM



#64
Tetrachloroethene
Concen: 54.429 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.3	109.0	163.6
129	101.2	81.0	121.4
131	93.5	74.8	112.2





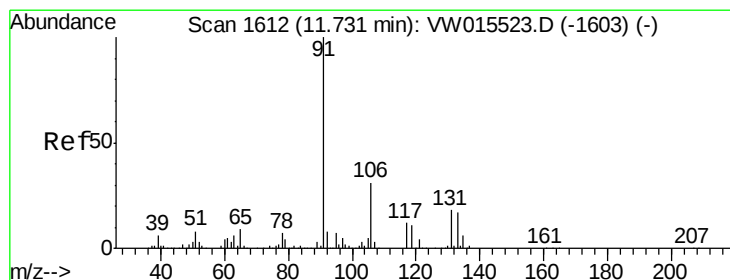
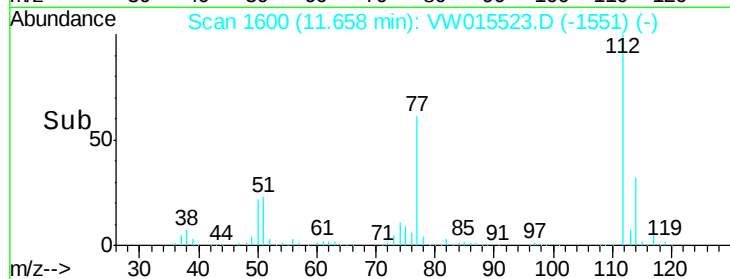
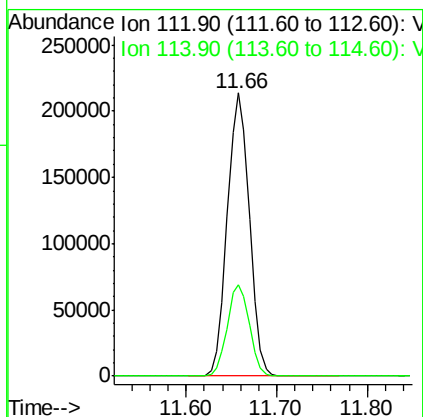
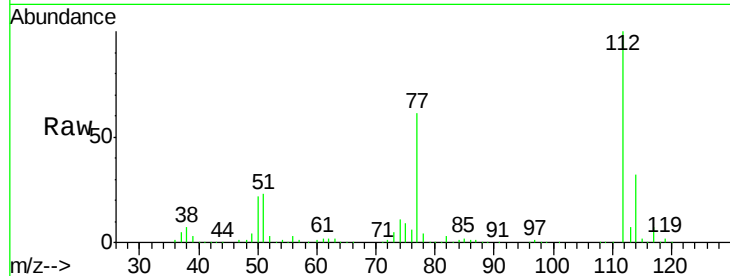
#65
Chlorobenzene
Concen: 53.469 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 360560
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

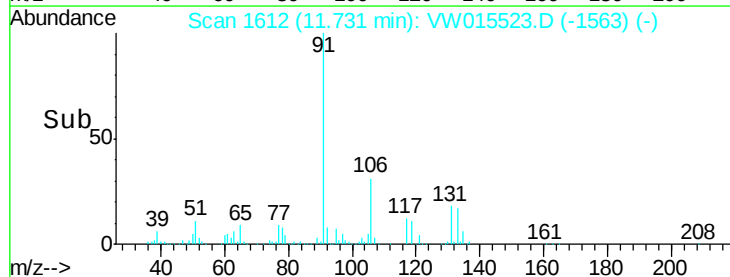
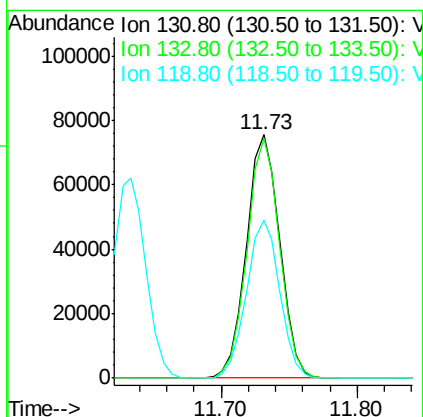
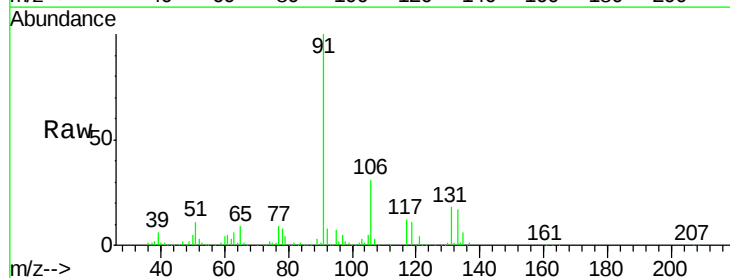
Manual Integrations
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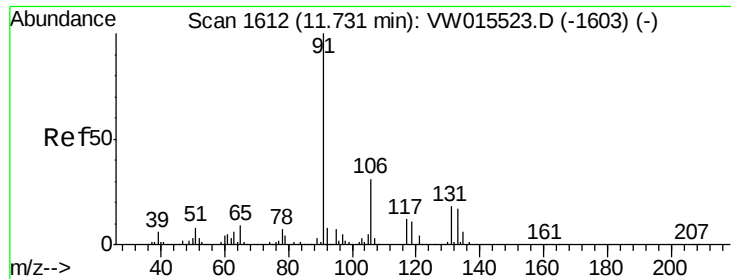
MMDadoda
6/2/2020 4:00:18 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.000 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tgt Ion:131 Resp: 129381
Ion Ratio Lower Upper
131 100
133 96.5 48.3 144.8
119 65.0 32.5 97.5





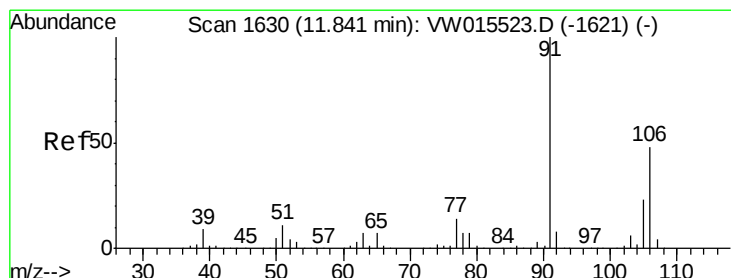
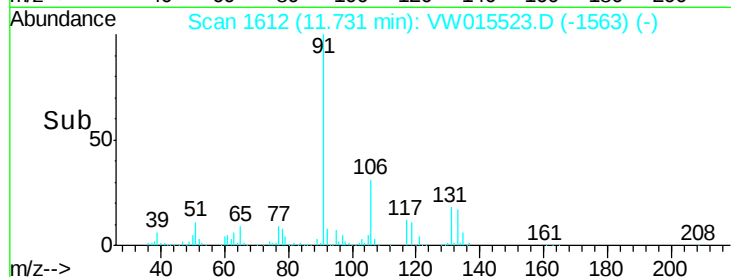
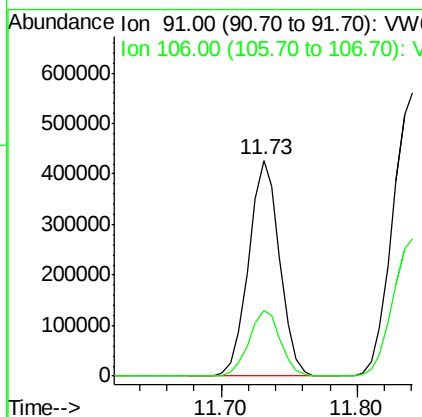
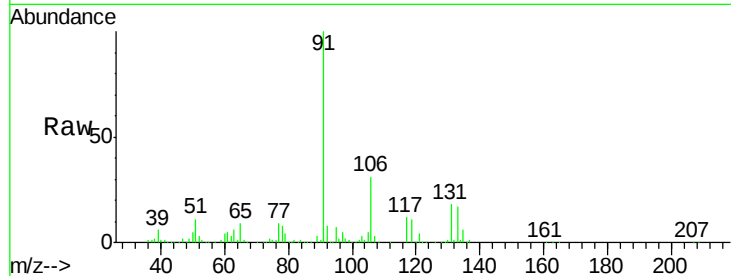
#67
Ethyl Benzene
Concen: 52.804 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 680100
Ion Ratio Lower Upper
91 100
106 30.6 24.5 36.7

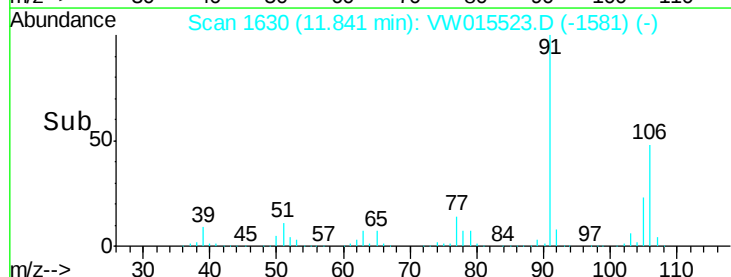
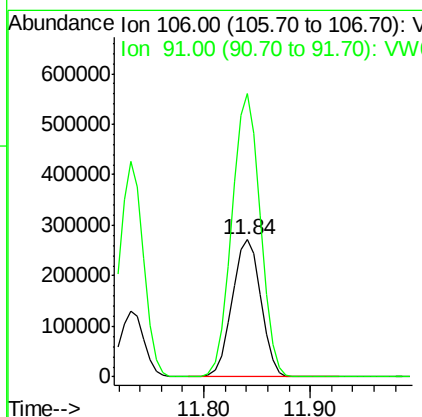
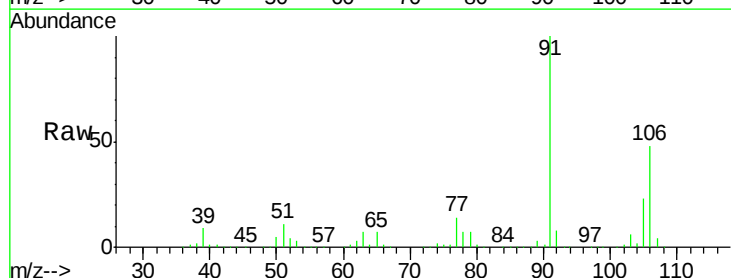
Manual Integrations
APPROVED

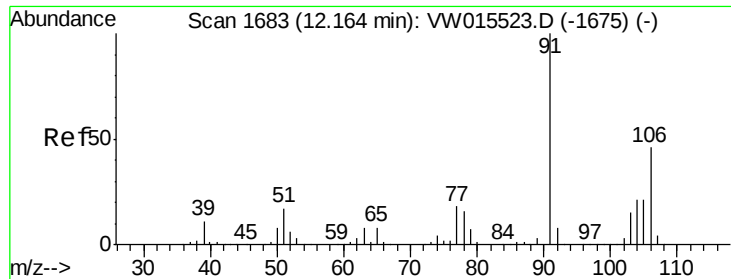
MMDadoda
6/2/2020 4:00:18 PM



#68
m/p-Xylenes
Concen: 107.098 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tgt Ion: 106 Resp: 513532
Ion Ratio Lower Upper
106 100
91 204.4 163.5 245.3





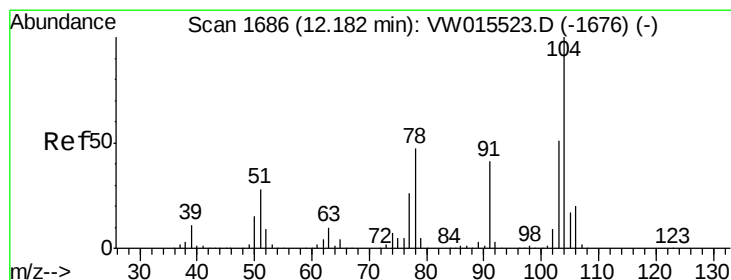
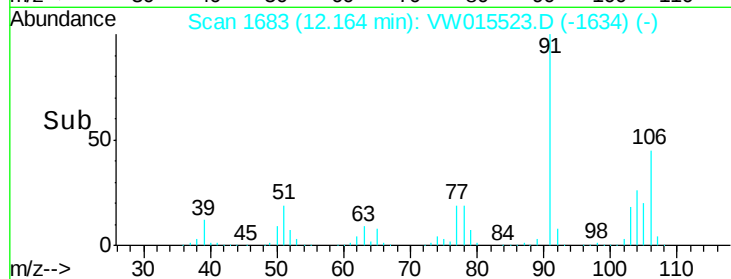
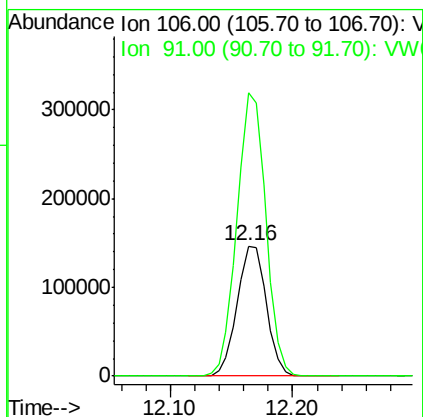
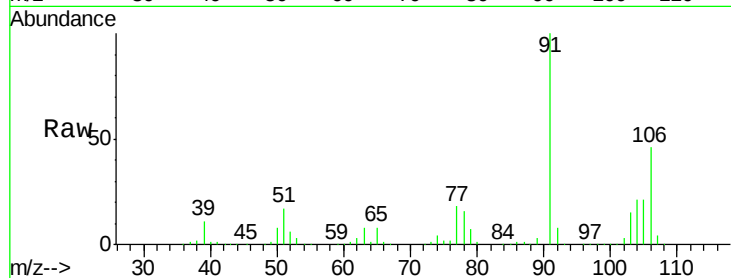
#69
o-Xylene
Concen: 53.761 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 241869
Ion Ratio Lower Upper
106 100
91 215.6 107.8 323.4

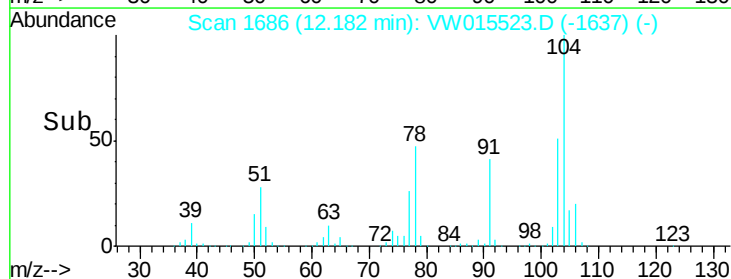
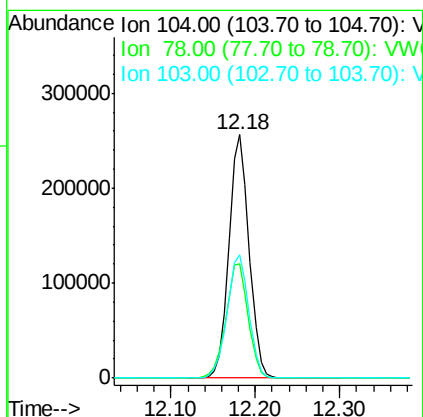
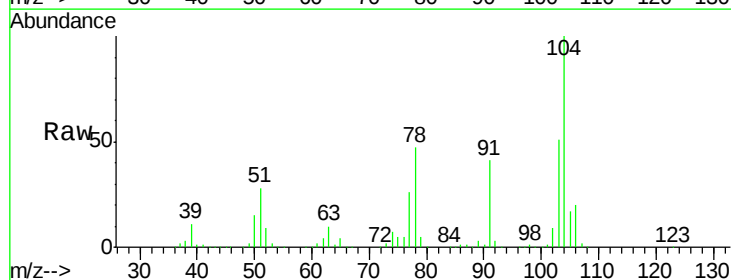
Manual Integrations
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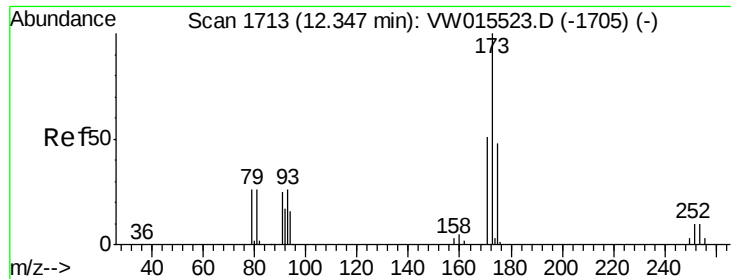
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#70
Styrene
Concen: 53.823 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tgt Ion:104 Resp: 416872
Ion Ratio Lower Upper
104 100
78 52.1 41.7 62.5
103 54.8 43.8 65.8





#71

Bromoform

Concen: 57.118 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 67019

Ion Ratio Lower Upper

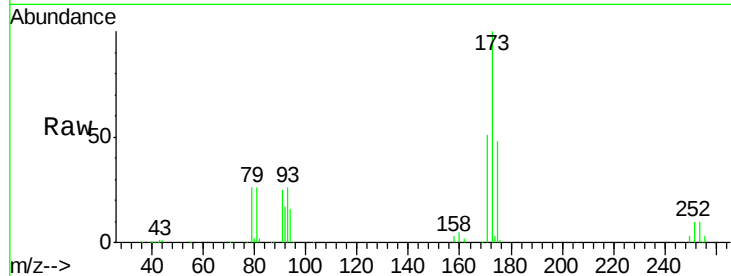
173 100

175 49.5 24.8 74.3

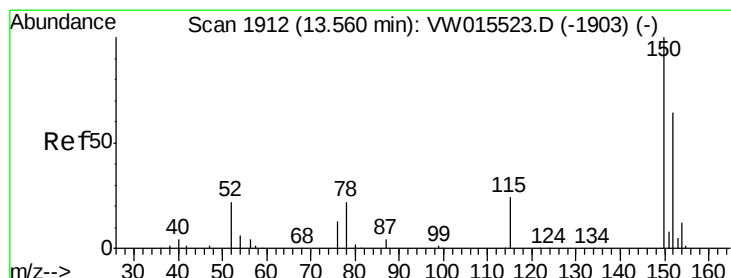
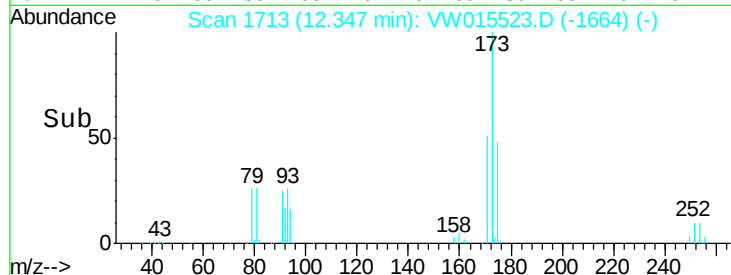
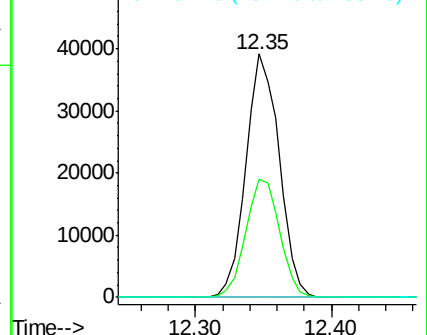
254 0.0 0.0 0.0#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

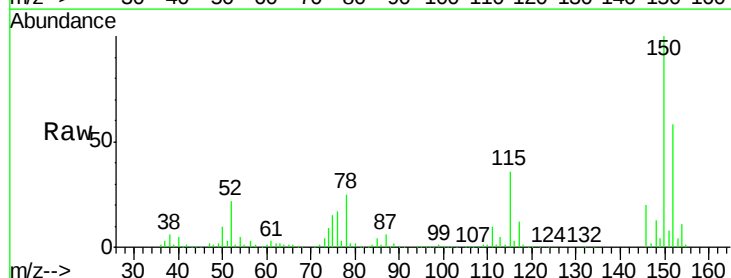
Tgt Ion:152 Resp: 170625

Ion Ratio Lower Upper

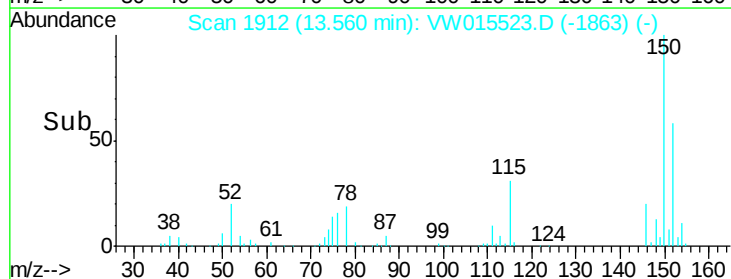
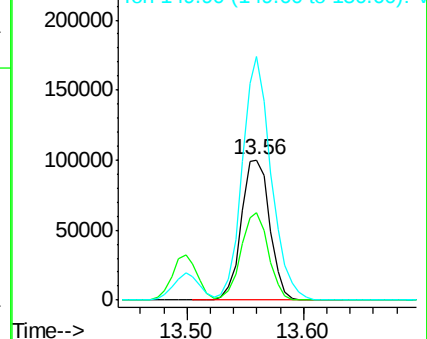
152 100

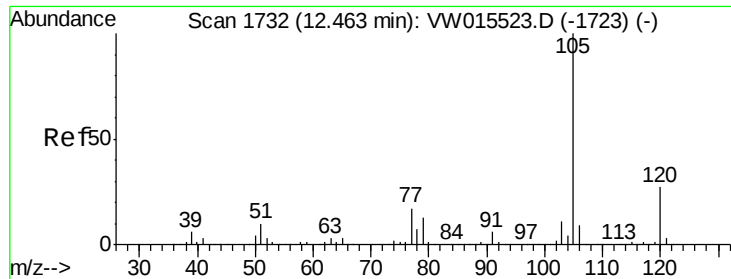
115 60.0 30.0 90.0

150 175.5 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.681 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 680132

Ion Ratio Lower Upper

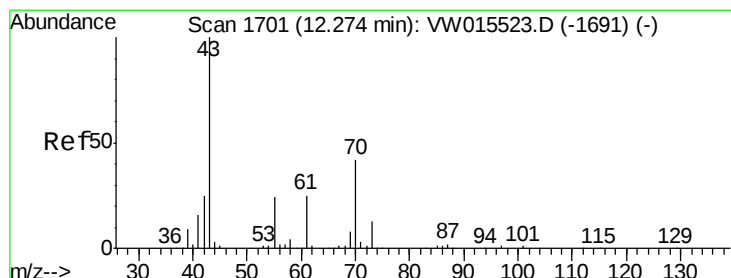
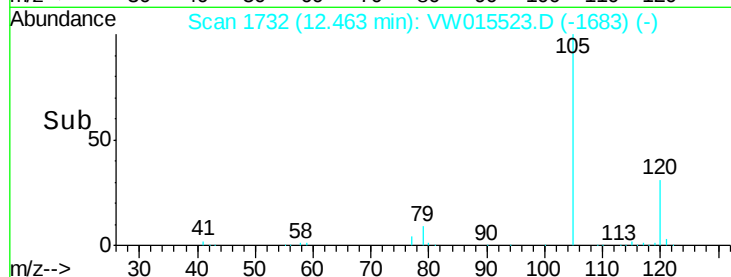
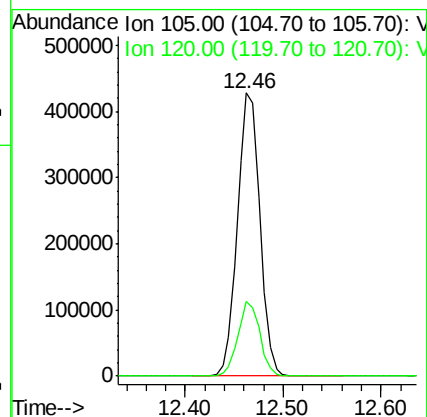
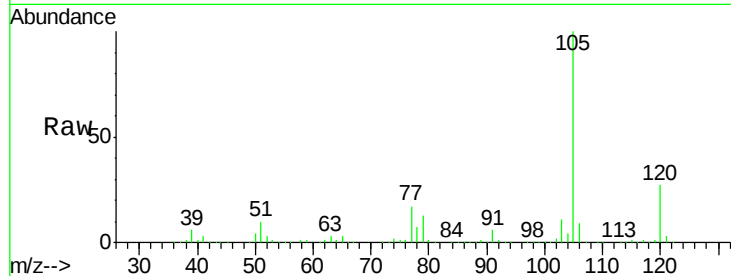
105 100

120 25.9 13.0 38.9

Manual Integrations
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6/2/2020 4:00:18 PM



#74

N-ethyl acetate

Concen: 52.174 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Tgt Ion: 43 Resp: 159586

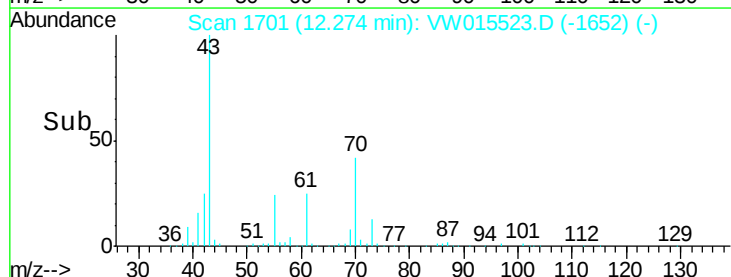
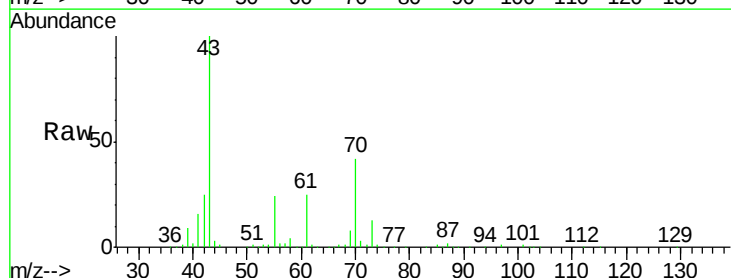
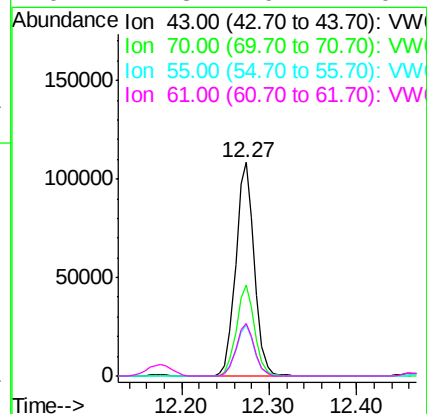
Ion Ratio Lower Upper

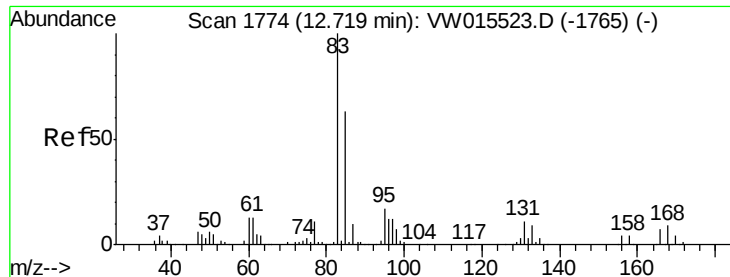
43 100

70 42.0 33.6 50.4

55 23.9 19.1 28.7

61 24.3 19.4 29.2





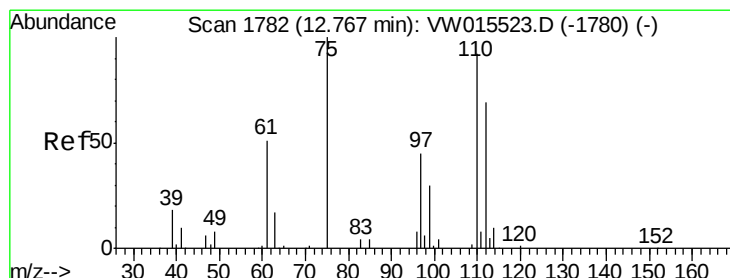
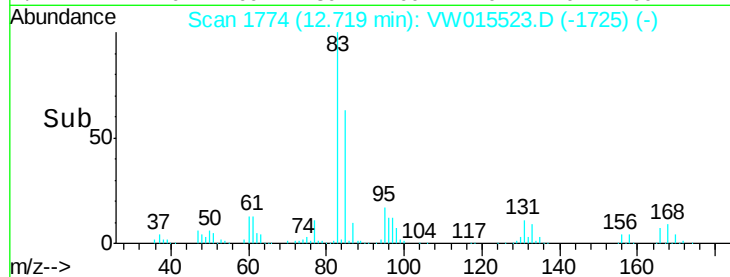
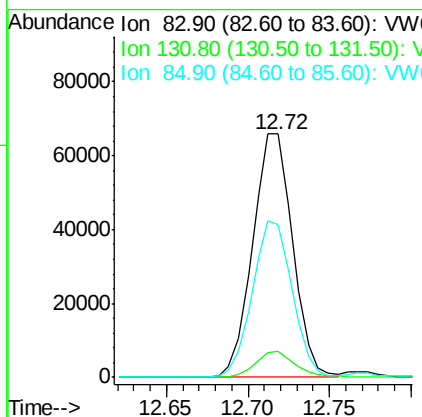
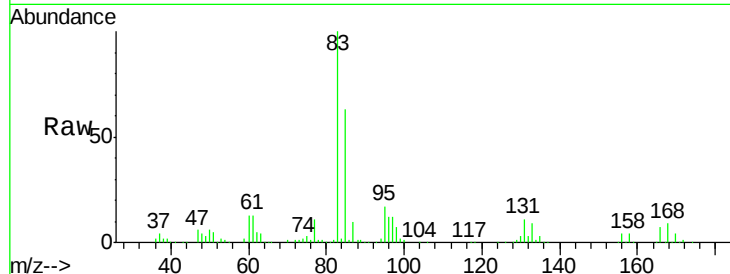
#75
 1,1,2,2-Tetrachloroethane
 Concen: 54.995 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	112174		
131	10.7	5.3	16.1	
85	64.0	32.0	96.0	

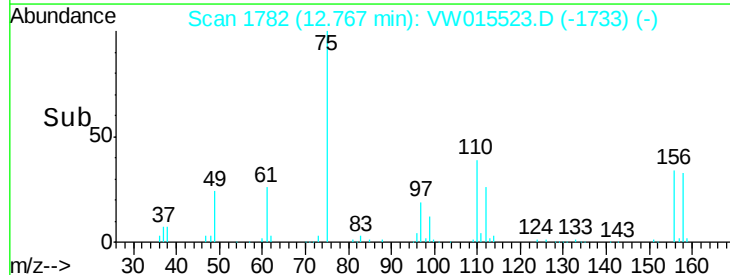
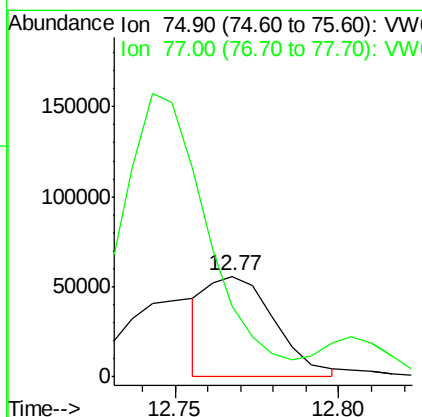
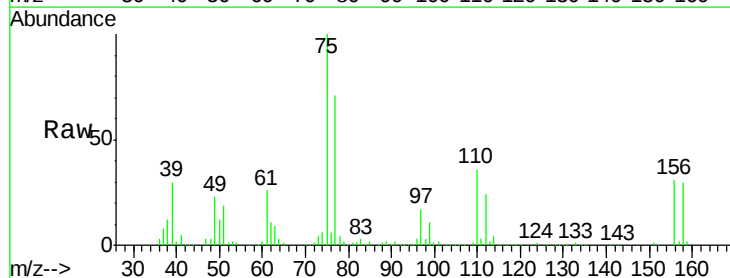
Manual Integrations
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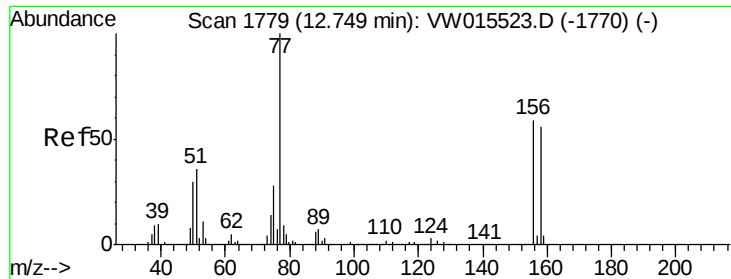
MMDadoda
 6/2/2020 4:00:18 PM



#76
 1,2,3-Trichloropropane
 Concen: 57.257 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80438		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 54.240 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 149445

Ion Ratio Lower Upper

156 100

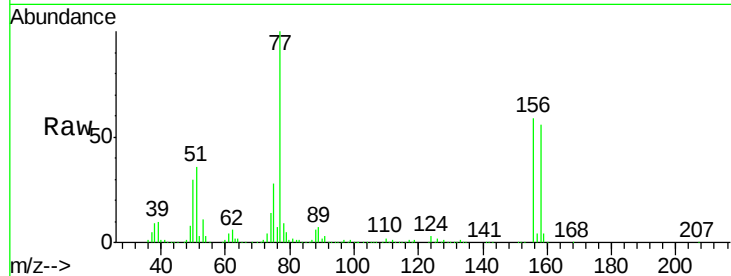
77 194.5 97.3 291.8

158 97.1 48.5 145.6

Manual Integrations
APPROVED

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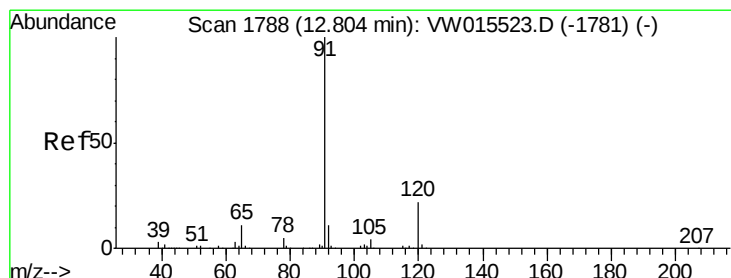
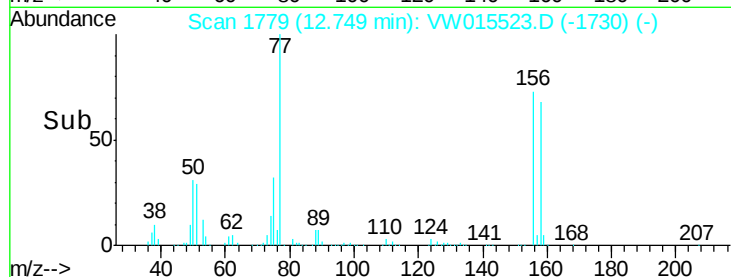
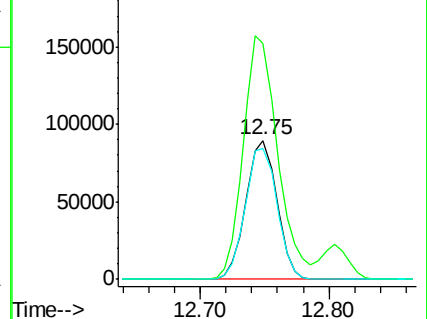
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.614 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015523.D

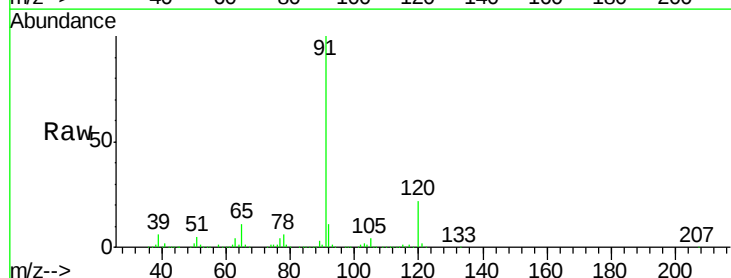
Acq: 02 Jun 2020 12:36

Tgt Ion: 91 Resp: 813839

Ion Ratio Lower Upper

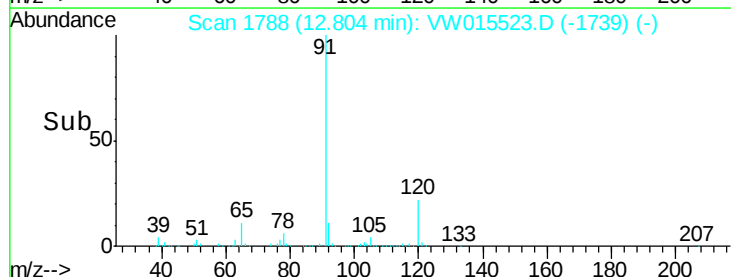
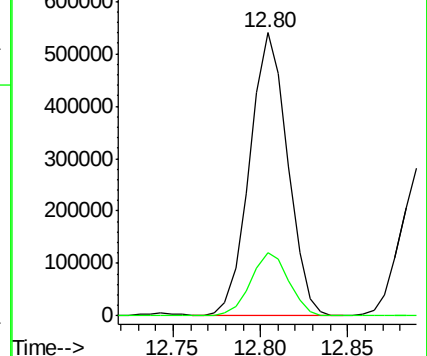
91 100

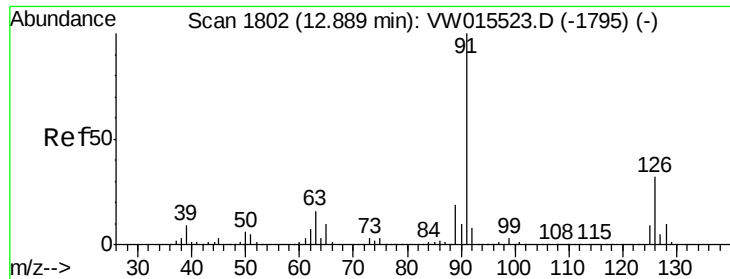
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.074 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 463279

Ion Ratio Lower Upper

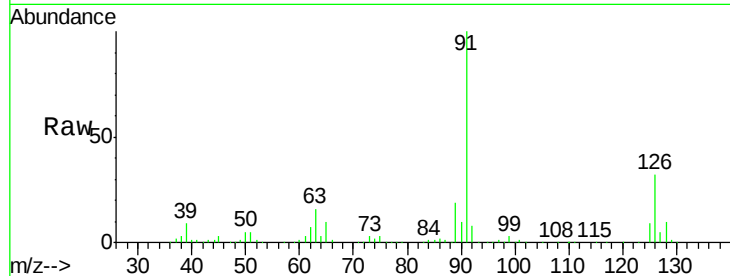
91 100

126 32.3 16.2 48.5

Manual Integrations
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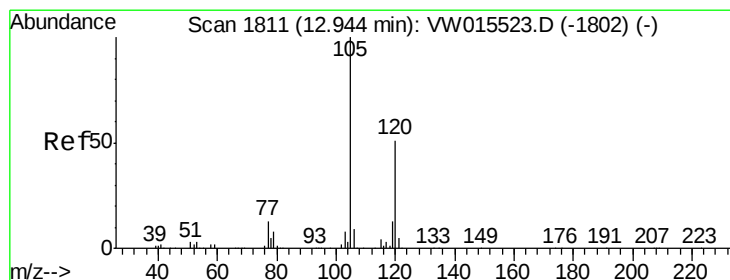
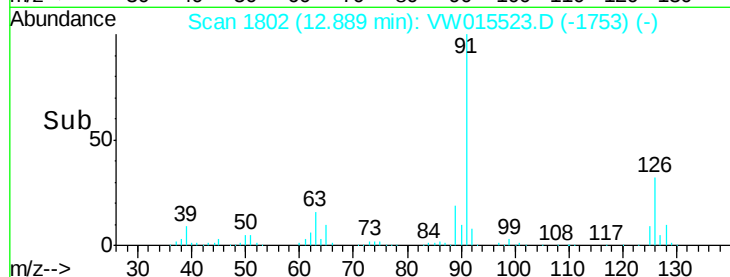
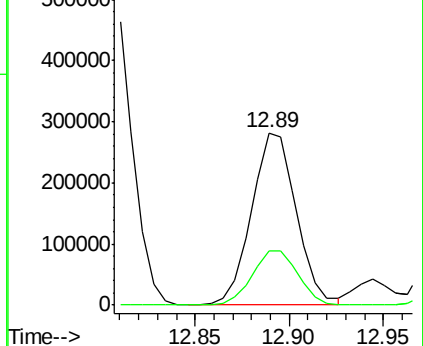
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.751 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015523.D

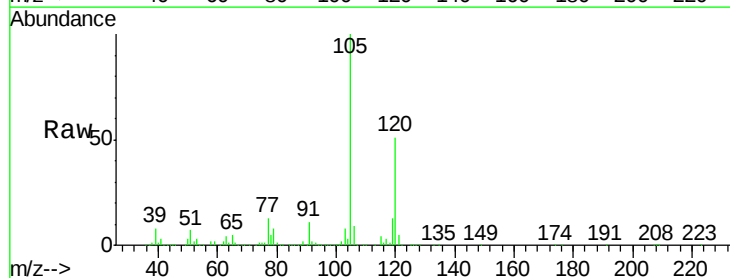
Acq: 02 Jun 2020 12:36

Tgt Ion: 105 Resp: 572151

Ion Ratio Lower Upper

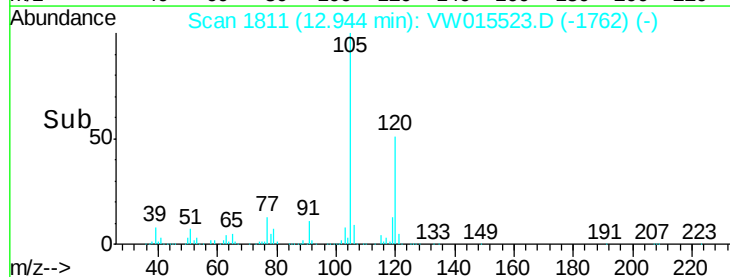
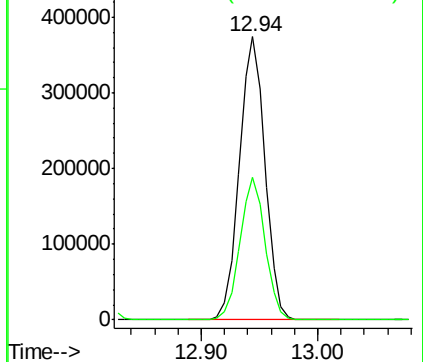
105 100

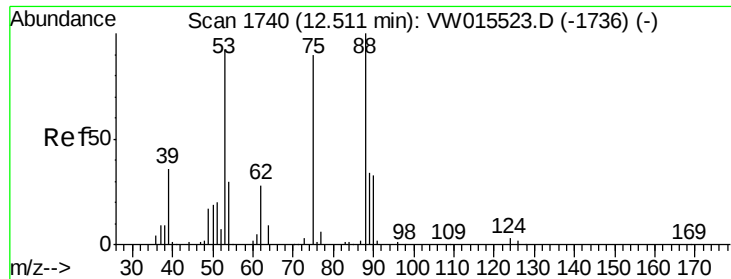
120 49.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 53.964 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Instrument :

MSVOA_W

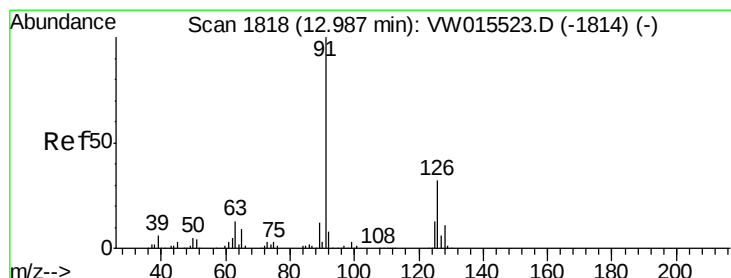
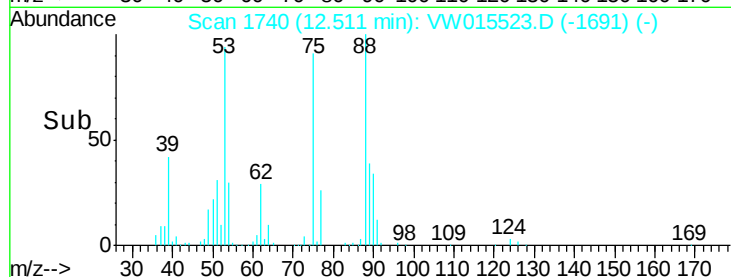
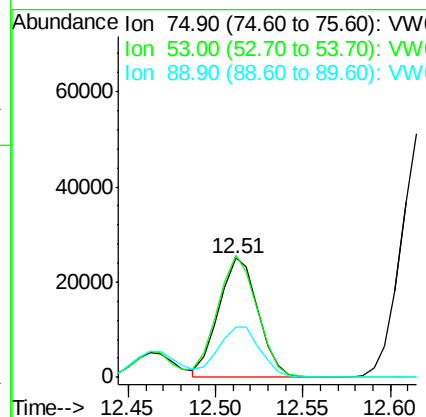
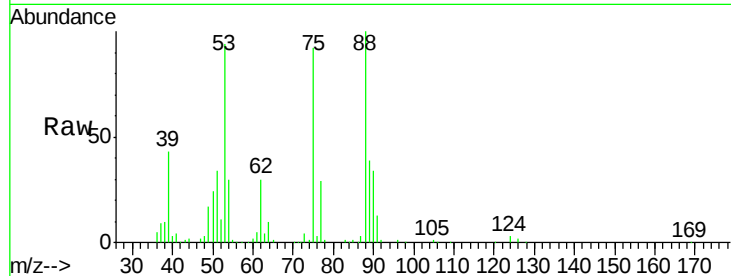
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	38995
Ion	Ratio	Lower	Upper
75	100		
53	105.0	84.0	126.0
89	45.8	36.6	55.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.137 ug/l

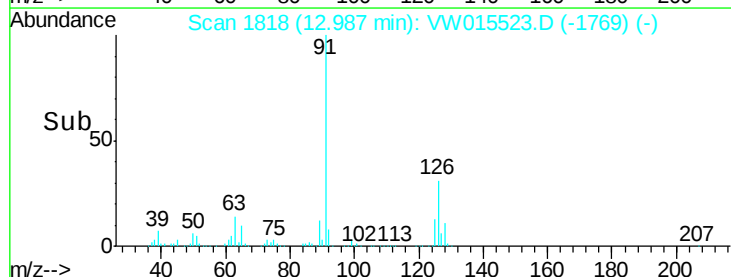
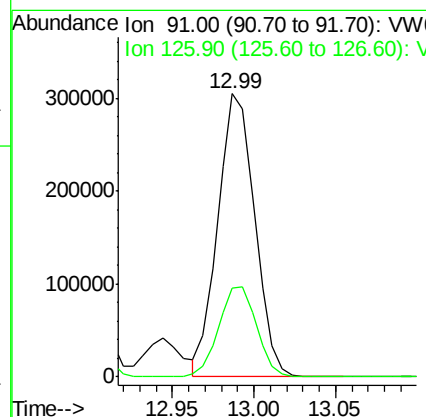
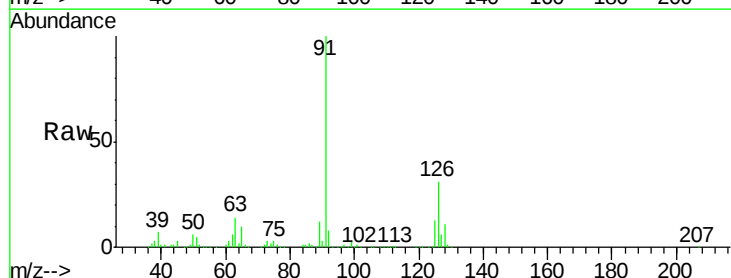
RT: 12.99 min Scan# 1818

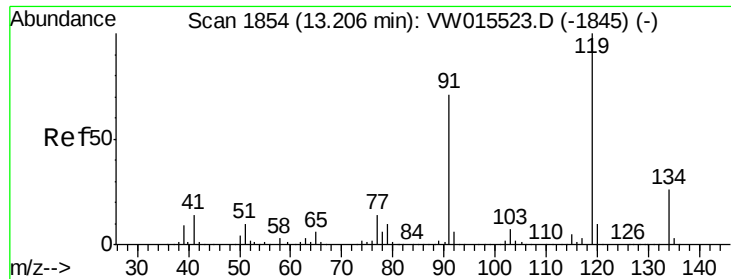
Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Tgt Ion:	91	Resp:	480640
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4





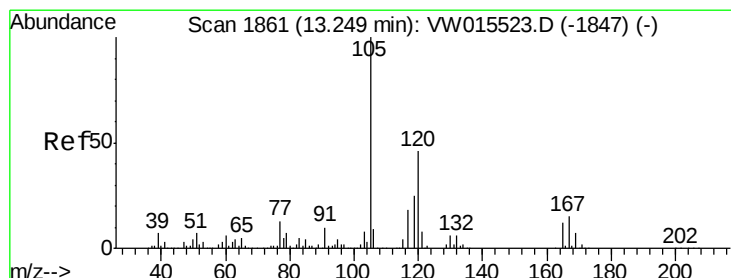
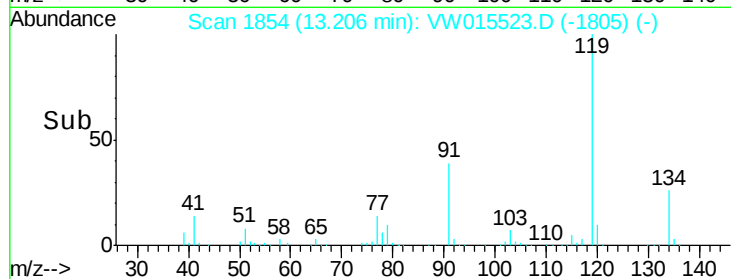
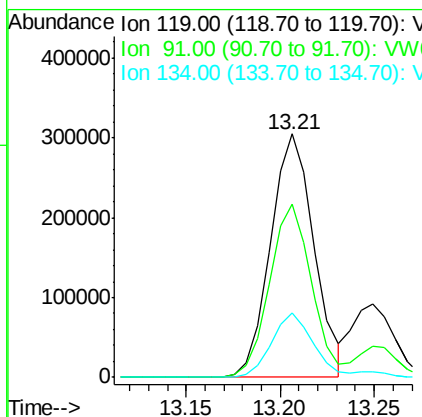
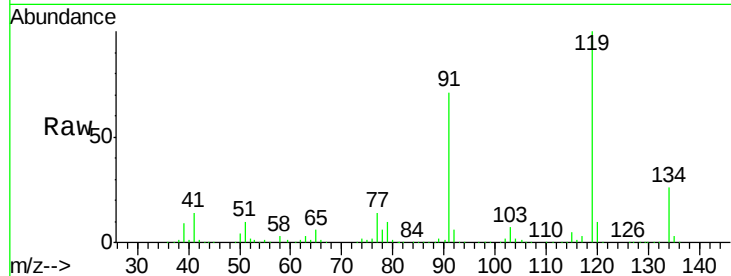
#83
 tert-Butylbenzene
 Concen: 52.668 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	34.2	102.5
134	25.4	12.7	38.1

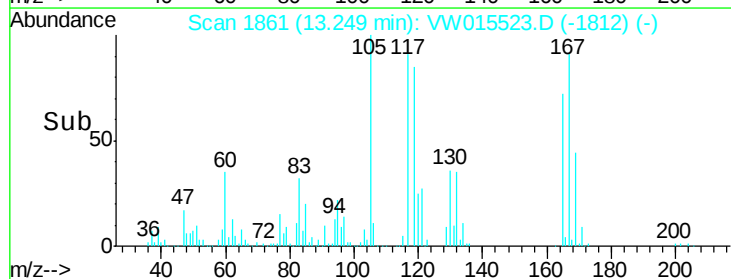
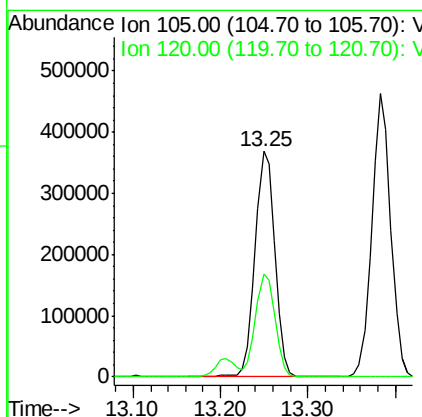
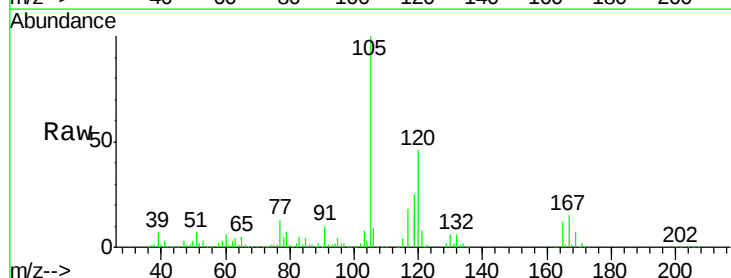
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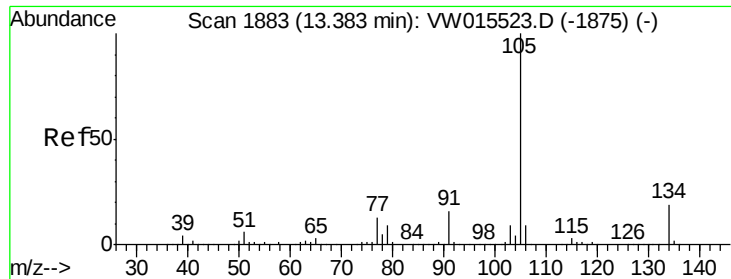
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.230 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.6	67.8





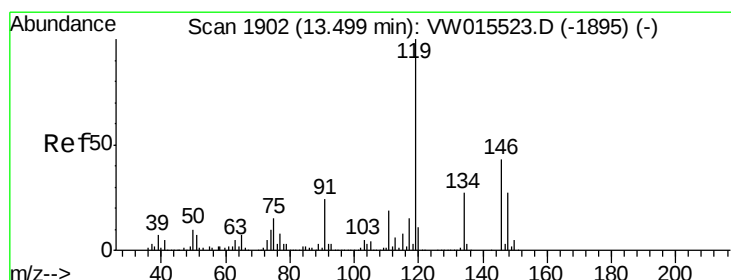
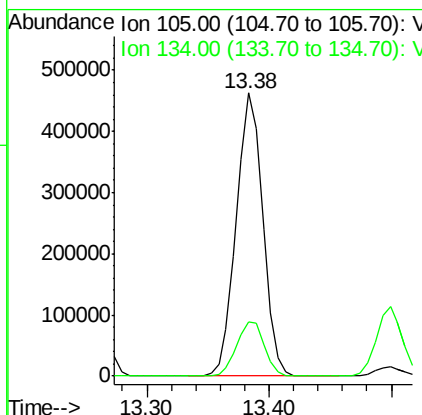
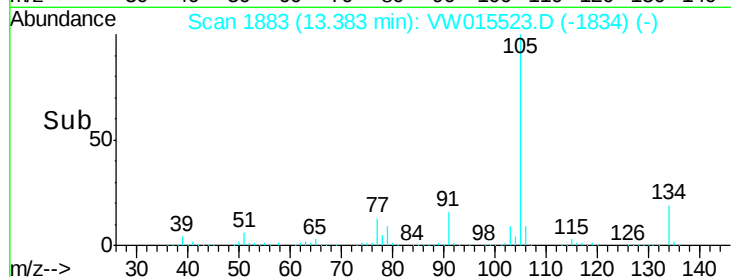
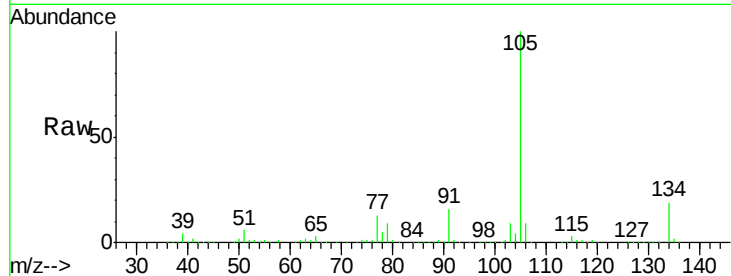
#85
 sec-Butylbenzene
 Concen: 53.208 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 693774
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.0 30.0

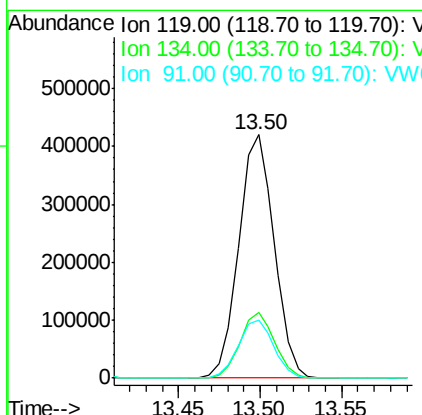
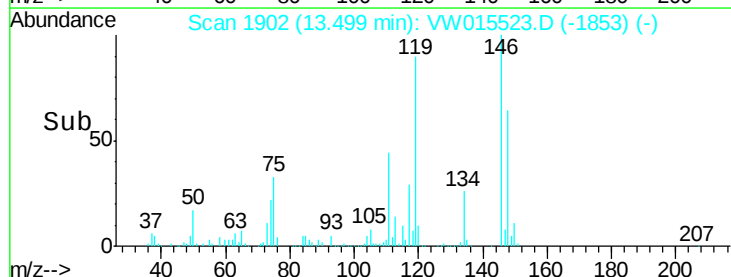
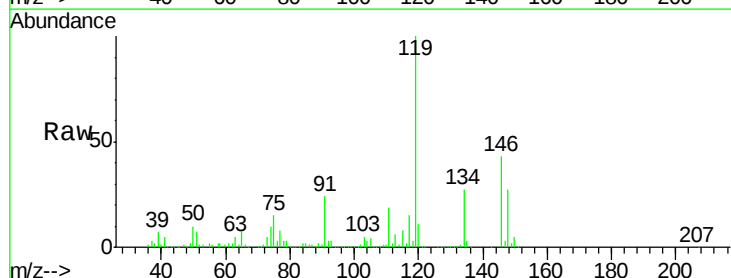
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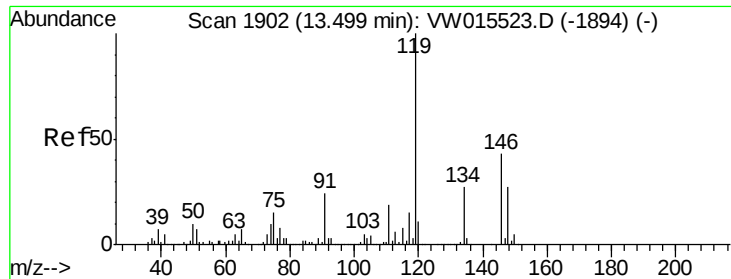
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#86
 p-Isopropyltoluene
 Concen: 53.409 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Tgt Ion:119 Resp: 635093
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.5
 91 24.0 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 53.860 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

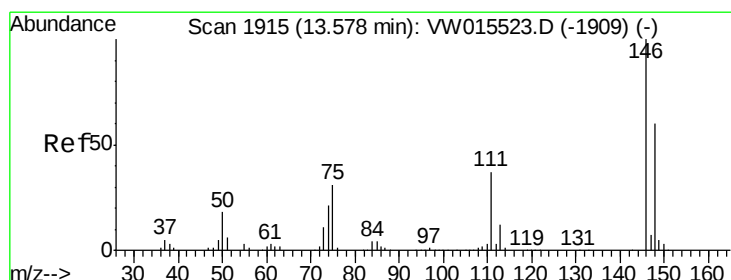
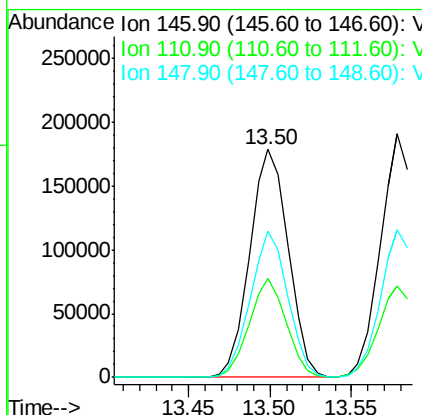
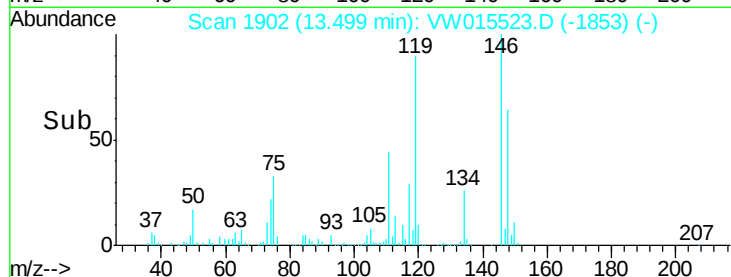
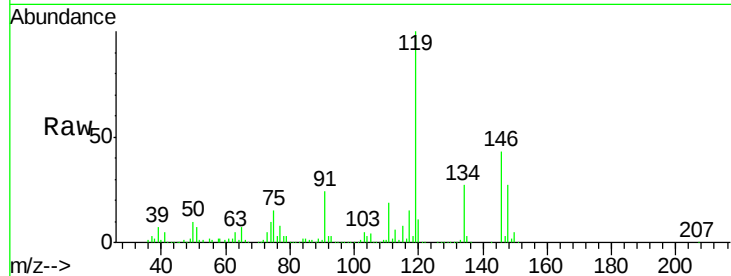
Instrument :
MSVOA_W

ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.5
148	62.4	31.2	93.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 54.482 ug/l

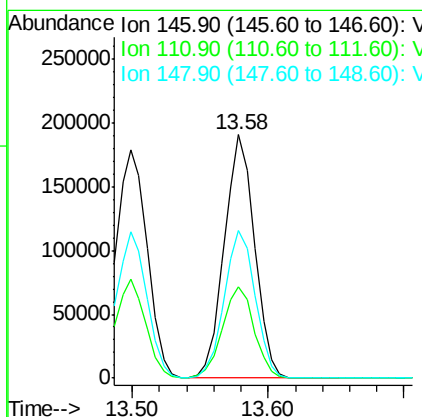
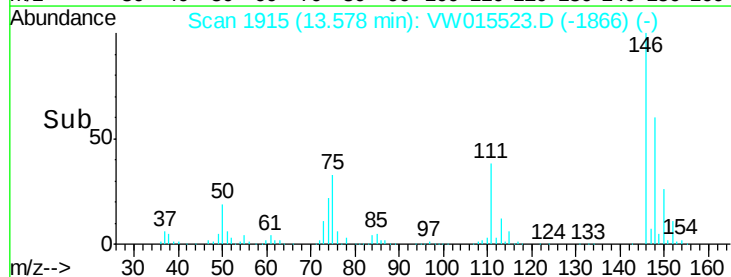
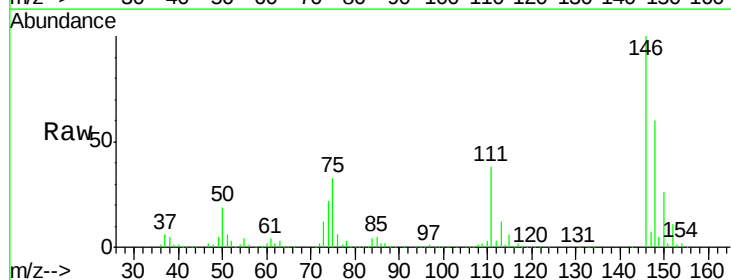
RT: 13.58 min Scan# 1915

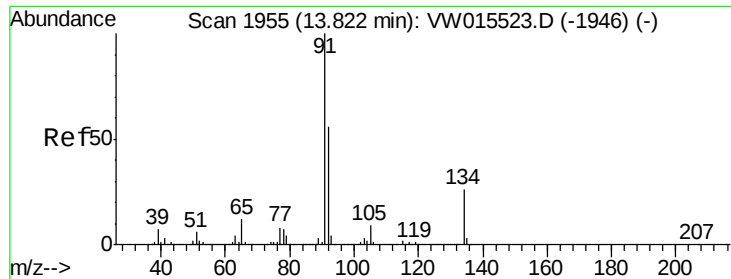
Delta R.T. 0.00 min

Lab File: VW015523.D

Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	61.8	30.9	92.7





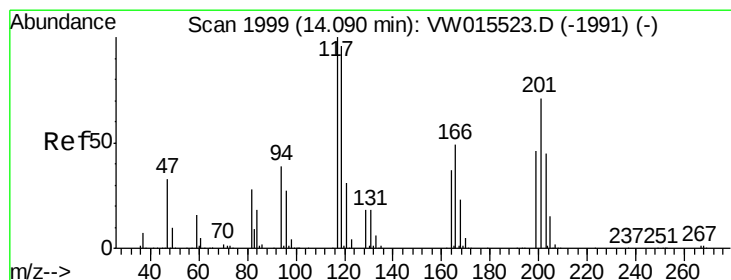
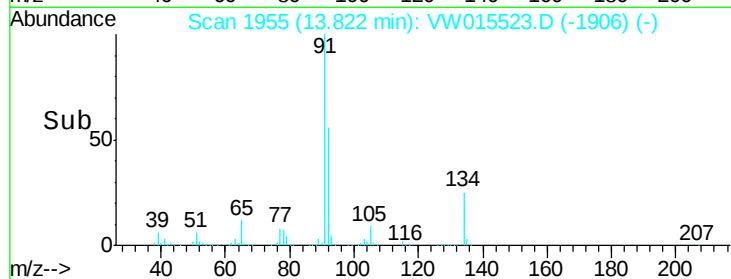
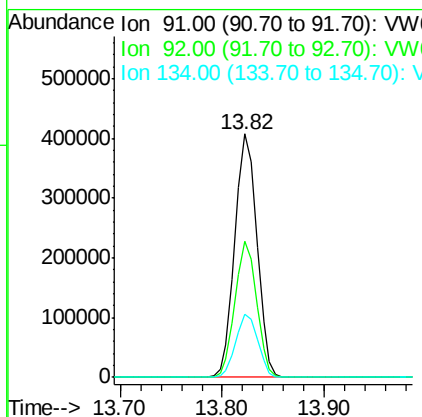
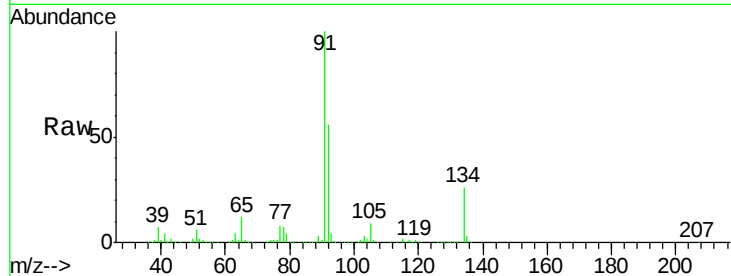
#89
n-Butylbenzene
Concen: 52.582 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.3	81.9
134	26.1	13.1	39.1

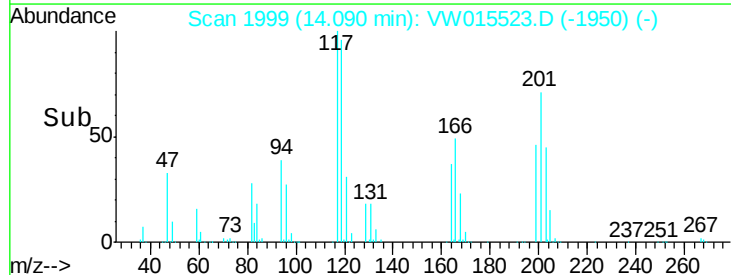
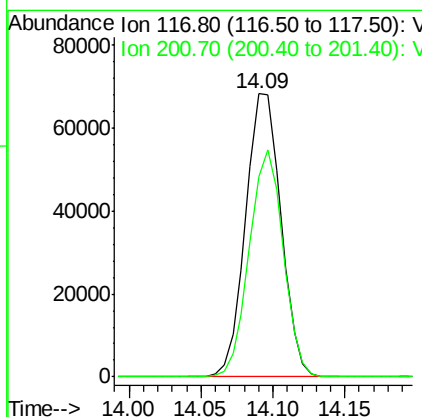
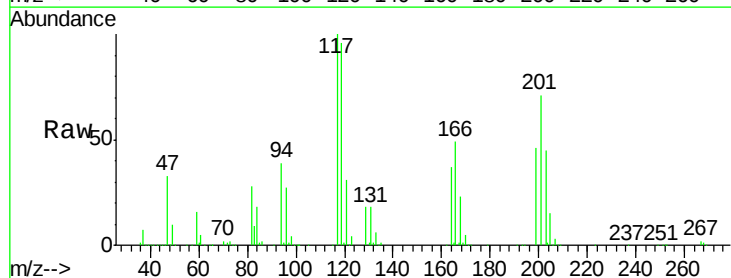
Manual Integrations
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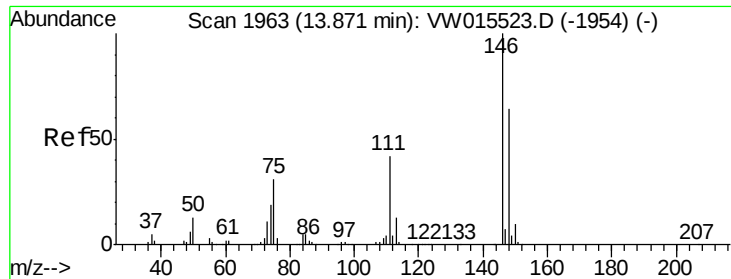
MMDadoda
6/2/2020 4:00:18 PM



#90
Hexachloroethane
Concen: 52.864 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.9	38.5	115.3





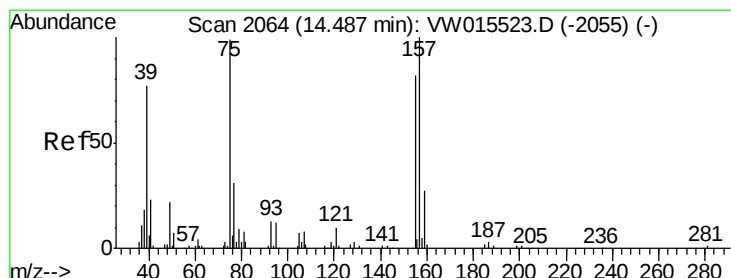
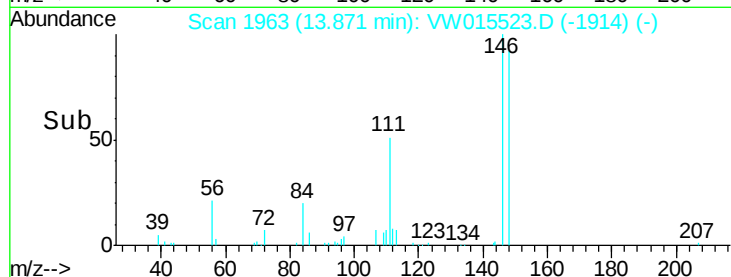
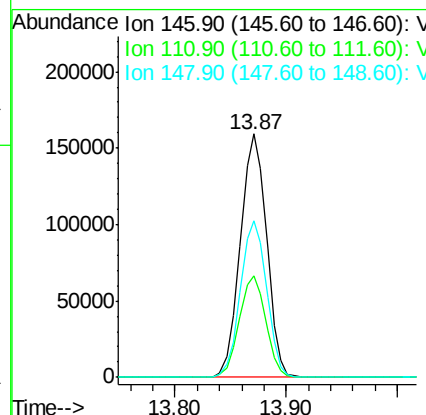
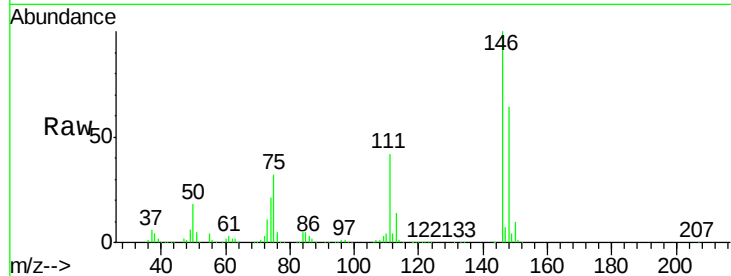
#91
 1,2-Dichlorobenzene
 Concen: 54.612 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	64.3	32.1	96.5

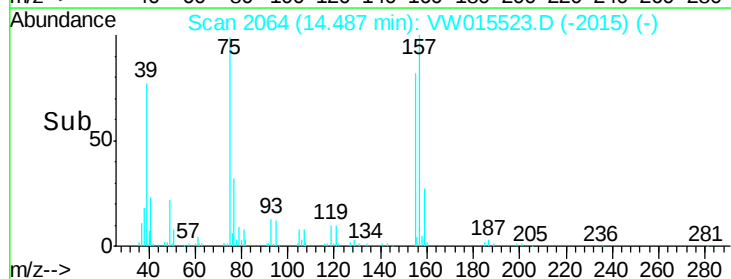
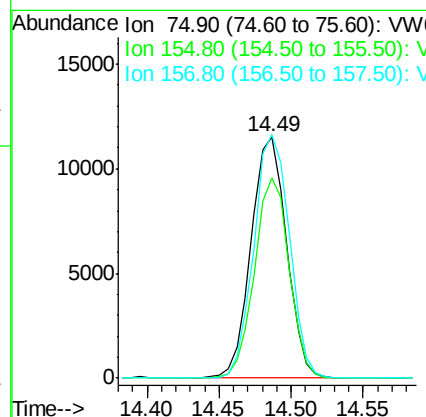
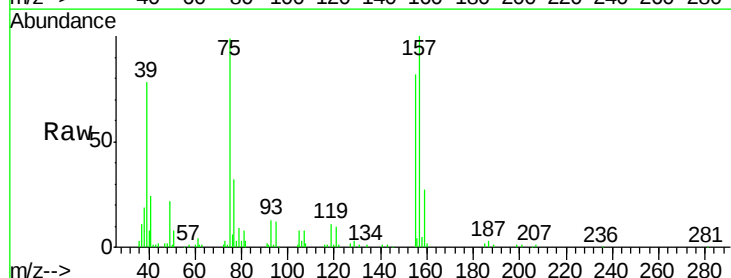
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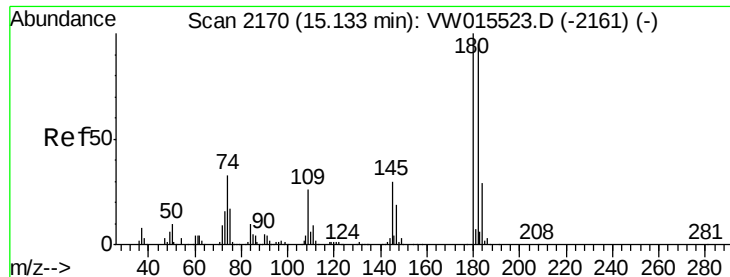
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.936 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.7	40.4	121.1
157	101.1	50.5	151.6





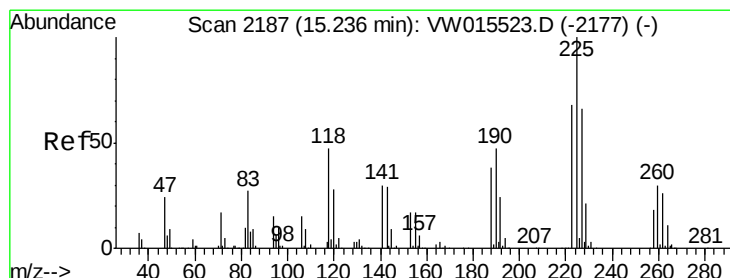
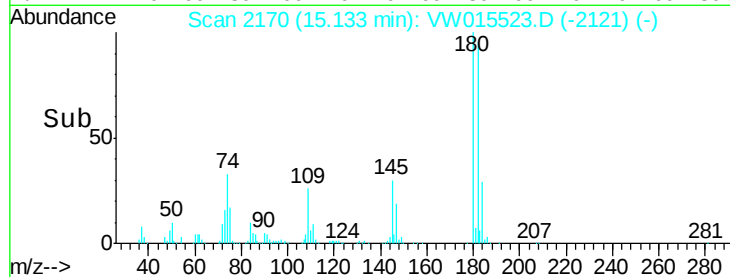
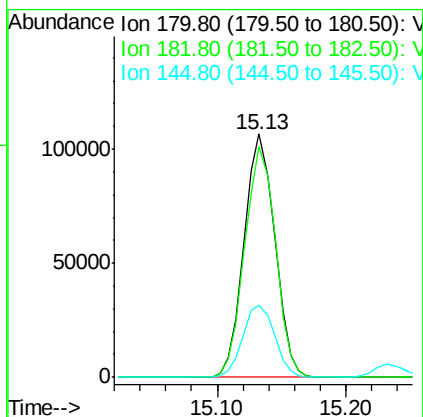
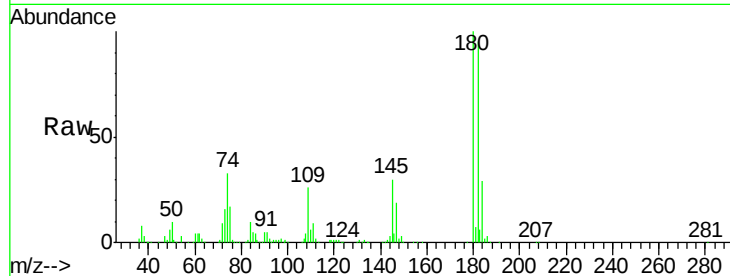
#93
 1,2,4-Trichlorobenzene
 Concen: 55.015 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	175922		
182	95.4	47.7	143.1	
145	30.8	15.4	46.2	

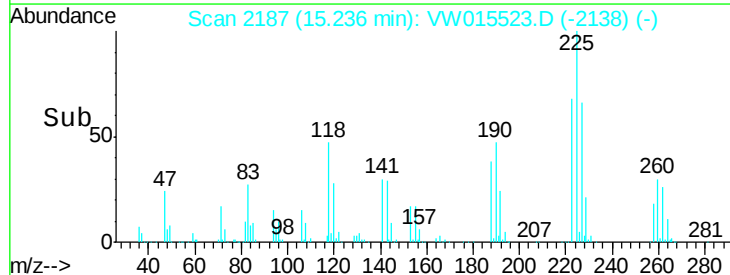
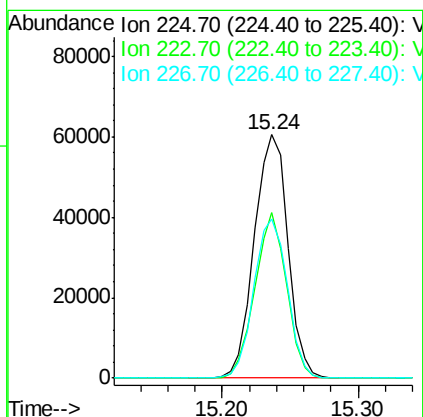
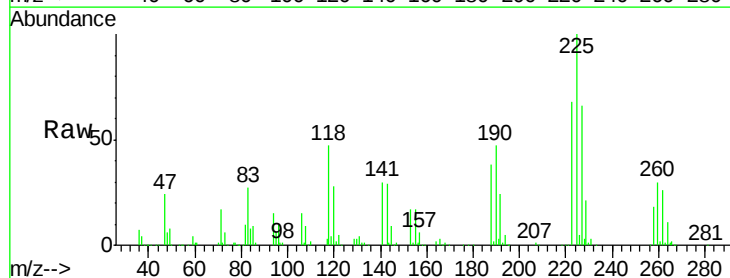
Manual Integrations
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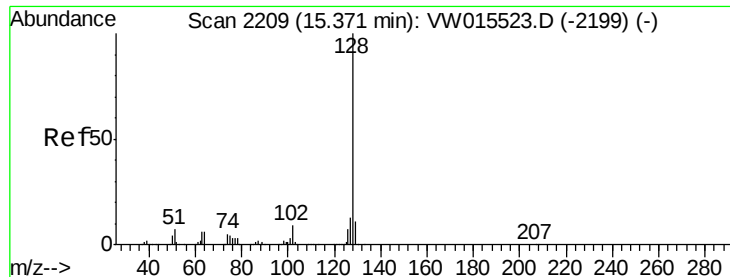
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#94
 Hexachlorobutadiene
 Concen: 55.243 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015523.D
 Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104611		
223	63.6	31.8	95.4	
227	65.2	32.6	97.8	





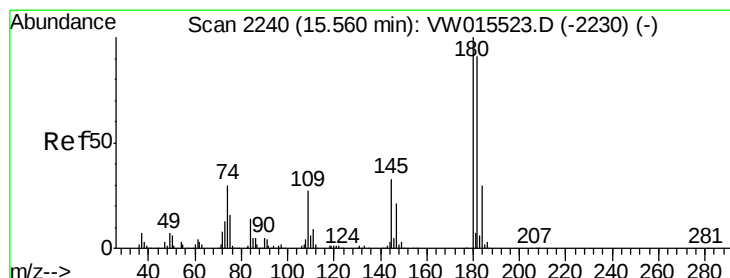
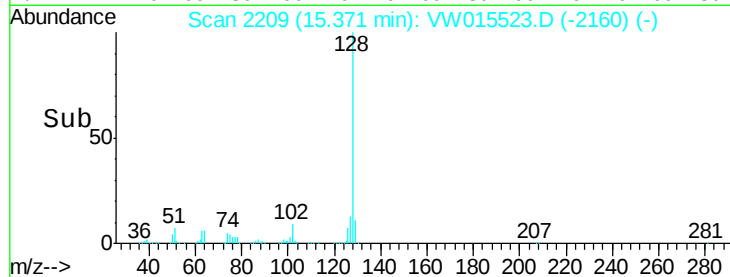
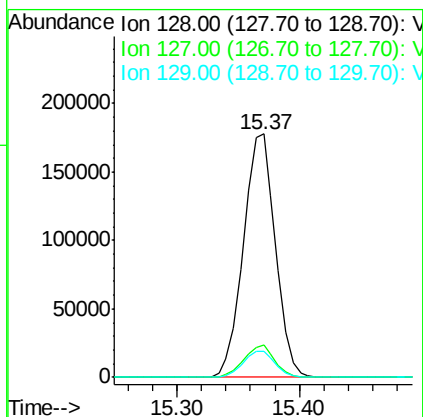
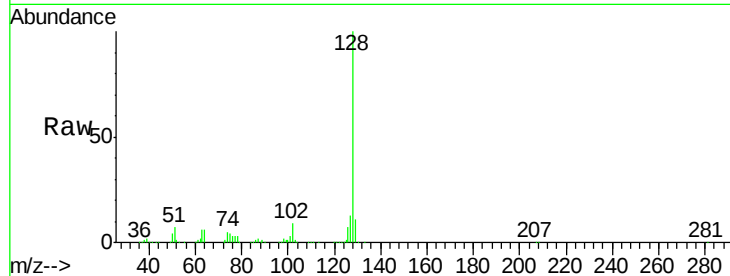
#95
Naphthalene
Concen: 56.285 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 55.116 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW015523.D
Acq: 02 Jun 2020 12:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.1	141.4
145	32.5	16.3	48.8

